

MATERIALS APPROVED LISTS

December 7, 2023

Any request for materials below are to contact the lab/division that is listed beside the title. Contact names and phone number for these lab/divisions are listed below:

Asphalt Lab - Candice Entwisle - (804)328-3028

Structures & Bridge Division - Jacob George - (804)-786-2877

L & D Div/ Spec and Standards - Matt Cross - (804)786-2577

Physical Lab - Keith Williams - (804)328-3135

Structures Section - Jeremy Clary - (804)328-3160

Chemistry Lab - Jessica Lewis - (804)328-3122

Location & Design Division/ SWM - Jacob Bauckman - (804)

Maintenance Division - Scott Crafton - (804)786-0735

Soils Lab - Wansoo Kim - (804)328-3140

Quality Assurance Division - Laura Hisey - (804)328-3165

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****BABA Requirements**

The materials listed on these Approved Lists are only approved for permanent use on Federal Aid VDOT projects provided they meet the requirements of current VDOT Special Provisions SP102-000510-02 and SP107-003000-00, regarding "Buy America" requirements for iron and steel products and components, and "BABA Requirements" for Construction Materials and Manufactured Products, respectively. VDOT does not certify materials or take responsibility for them as meeting these requirements; the Contractor has this responsibility and must submit this certification on each federal aid VDOT project as

aid projects to provide documentation that proves unbroken traceability of the covered materials' lot and heat number from initial melt (for iron and steel products or components) or from raw materials origin (for Construction Materials) through all stages of manufacturing and modifications and through all stages of procurement, including for brokers who may never even receive shipment of the materials

(1) AIR-ENTRAINING ADMIXTURES - Physical Lab

To be included on List 1, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.01 and meet Road and Bridge Sec. 215.02.

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Code & Product	Manufacturer	Street Address	Location
CODE#_0085 Stable Air	Cellular Concrete Technologies	5103 Lena Road STE 101	Bradenton, FL 34211
CODE#_0079 Chryso Air 260	Chryso, Inc.	1611 State Highway 276	Rockwall, TX 75032
CODE#_0081 Chryso Air 260 Ultra	Chryso, Inc.	1611 State Highway 276	Rockwall, TX 75032
CODE#_0098 DSA 110	DarCole Products	9130 US Highway 60 W	Henderson, KY 42420
CODE#_0100 Cemairin 280	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720
CODE#_0019 Eucon Air Mix	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_0055 Eucon AEA-92	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_0056 Eucon Air Mix 200	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_0058 Eucon Air 30	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_0059 Eucon Air 40	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_0089 Eucon Air MAC12	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_0094 Eucon Air MAC6	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_0063 Air Plus	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149
CODE#_0084 Super Air Plus	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149
CODE#_0041 Darex II AEA	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_0052 Daravir 1000	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_0065 Daraviar AT60	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_0070 Daravair AT30	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_0075 Airalon 3000	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140

CODE#_0082 Terapave AEA	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_0097 Airalon 7000	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_0099 Darex AEA ED	GCP Applied Technologies	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_0067 Setcon 6A	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620
CODE#_0096 Air-Right	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620
CODE#_0090 Mapeair SA	Mapei Corporation	2978 Center Court	Eagan, MN 55121
CODE#_0091 Mapeair SA-50	Mapei Corporation	2978 Center Court	Eagan, MN 55121
CODE#_0092-Mapeair VR	Mapei Corporation	2978 Center Court	Eagan, MN 55121
CODE#_0003 MasterAir VR 10	Master Builders Solutions, LLC	23700 Chagrin Blvd	Cleveland, OH 44122
CODE#_0030 MasterAir AE 200	Master Builders Solutions, LLC	23700 Chagrin Blvd	Cleveland, OH 44122
CODE#_0054 MasterAir AE90	Master Builders Solutions, LLC	23700 Chagrin Blvd	Cleveland, OH 44122
CODE#_0071 MasterCell 25	Master Builders Solutions, LLC	23700 Chagrin Blvd	Cleveland, OH 44122
CODE#_0076 MasterAir AE400	Master Builders Solutions, LLC	23700 Chagrin Blvd	Cleveland, OH 44122
CODE#_0077 ConAir	Premiere Concrete Admixtures	508 Cedar Street PO Box 277	Pioneer OH 43554
CODE#_0078 ConAir 260	Premiere Concrete Admixtures	508 Cedar Street PO Box 277	Pioneer OH 43554
CODE#_0053 RVR-15	RussTech	11208 Decimal Drive	Louisville, KY 40299
CODE#_0061 RSA-10	RussTech	11208 Decimal Drive	Louisville, KY 40299
CODE#_0088 RAE 260	RussTech	11208 Decimal Drive	Louisville, KY 40299
CODE#_0062 Sika Air 260	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071
CODE#_0064 Sika Air	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071
CODE#_0066 Sika AEA 14	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071
CODE#_0073 Sika Air 360	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071
CODE#_0095 SikaControl Air-160	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071
CODE#_0101 Sika Lightcrete Power	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071

(2) CHEMICAL ADMIXTURES for CONCRETE - Physical Lab

To be included on List 2, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.01 and meet Road and Bridge Sec. 215.02. (A - Water Reducing, B - Retarding, C - Accelerating, D - Water Reducing and Retarding, E - Water Reducing and Accelerating, F- High Range Water Reducing, G - High Range Water Reducing and Retarding)

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

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Code & Product	Manufacturer	Street Address	Location	Admix Type
CODE#_0200 Fluid Premia 180	Chryso, Inc.	1612 State Highway 276	Rockwall, TX 75032	Type A and F
CODE#_0249 EnviroMix 728	Chryso, Inc.	1613 State Highway 276	Rockwall, TX 75032	Type A
CODE#_0251 Fluid Optima 256 Emx	Chryso, Inc.	1614 State Highway 276	Rockwall, TX 75032	Type A and F
CODE#_0262 TurboCast 650A	Chryso, Inc.	1615 State Highway 276	Rockwall, TX 75032	Type C
CODE#_0263 TurboCast NCT	Chryso, Inc.	1616 State Highway 276	Rockwall, TX 75032	Type C and E
CODE#_0447 TurboCast 701	Chryso, Inc.	1617 State Highway 276	Rockwall, TX 75032	Type C
CODE#_0448 NutralSet TC	Chryso, Inc.	1618 State Highway 276	Rockwall, TX 75032	Type B
CODE#_0449 Fluid Optima 100	Chryso, Inc.	1619 State Highway 276	Rockwall, TX 75032	Type G
CODE#_0464 Fluid Premia 150	Chryso, Inc.	1620 State Highway 276	Rockwall, TX 75032	Type F
CODE#_0475 Optima 249	Chryso, Inc.	1620 State Highway 276	Rockwall, TX 75032	Type A and F
CODE#_0469 DNL 785	DarCole Products	9130 Hwy 60 West	Henderson, KY 42420	Type A
CODE#_0470 DNS 166	DarCole Products	9130 Hwy 60 West	Henderson, KY 42420	Type C
CODE#_0471 DSF 1443	DarCole Products	9130 Hwy 60 West	Henderson, KY 42420	Type F
CODE#_481 Donplast Antifreeze 100	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720	Type C
CODE#478 Donplast HC3	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720	Type D
CODE#_480 Donplast P17	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720	Type D
CODE#_474 Donplast PC145	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720	Type F
CODE#_482 Donplast PC214	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720	Type F
CODE#_479 Donplast RP150	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720	Type D

CODE#_486 Donplast PC711	Don Construction Products	2826 Lineberger Industrial Drive	Lancaster, SC 29720	Type F
CODE#_0005 Eucon 37	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0018 Eucon WR-75	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A
CODE#_0055 Eucon Retarder 100	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type D
CODE#_0114 Eucon WR-91	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type and D
CODE#_0120 Eucon NW	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A
CODE#_0121 Eucon LW	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A
CODE#_0123 Eucon LR	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and D
CODE#_0124 Eucon SP	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0125 Eucon X-15	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0131 Eucon 537	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type D and G
CODE#_0144 Eucon NR	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and D
CODE#_0164 Eucon Retarder 75	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type D
CODE#_0169 Eucon MR	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0231 Eucon 1037	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0233 Accelguard 80	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type C
CODE#_0285 Eucon SPC	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0287 Eucon MRX	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A
CODE#_0407 Accelguard G3	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type C and E
CODE#_0408 Plastol Ultra 209	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0415 Accelguard NCA	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type C and E
CODE#_0416 Eucon CIA	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type C and E
CODE#_0417 Plastol 6400	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type F
CODE#_0438 Plastol 6420	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and F
CODE#_0444 Eucon SE	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110	Type A and D

CODE#_0154 Supercizer 6	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149	Type F
CODE#_0156 Supercizer 7	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149	Type F and G
CODE#_0157 FR-1	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149	Type B and D
CODE#_0163 Delay Set	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149	Type B and D
CODE#_0163 Delay Set Mini	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149	Type B and D
CODE#_0373 NCA	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149	Type C and E
CODE#_0374 Supercizer 5	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149	Type F
CODE#_0023 WRDA 35	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A and D
CODE#_0029 WRDA 82	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A
CODE#_0082 Daratard HC	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type D
CODE#_0085 Daratard 17	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type D
CODE#_0172 Recover	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type D
CODE#_0184 ADVA Cast 600	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0189 Polarset	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type C
CODE#_0206 ADVA Flex	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A and F
CODE#_0208 EXP 950	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A and F
CODE#_0209 ADVA CAST 575	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A and F
CODE#_0212 ADVA 140M	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A and F
CODE#_0244 Daraset 400	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type C
CODE#_0245 Zyla 640	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A
CODE#_0252 Zyla 620	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A
CODE#_0266 Zyla R	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type B and D
CODE#_0299 V-MAR VSC500	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type D
CODE#_0367 ADVA CAST 585	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0368 DCI	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type C and E

CODE#_0375 ADVA 198	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0376 MIRA 95	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0404 ADVA Cast 555	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0432 Eclipse 4500	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0439 Clarena MC 2000	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A and F
CODE#_0440 ADVA ITM 750	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0451 CONCERA SA 8080	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0456 CONCERA CP1124	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type F
CODE#_0473 ADVA CAST 593	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A
CODE#_0478 Elara SP200	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887	Type A and F
CODE#_0179 Chemstrong A	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620	Type A
CODE#_0180 Chemstrong SP	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620	Type F
CODE#_0181 Chemstrong R	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620	Type D
CODE#_0457 Chemstrong CF	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620	Type C
CODE#_0458 Polystrong HP	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620	Type A and F
CODE#_0423 Dynamon SX	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type F
CODE#_0466 Mapeplast KB 1200	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type A and F
CODE#_0424 Polychem 3000	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type A and F
CODE#_0425 Mapeshield CI 300	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type C
CODE#_0468 Polychem HE	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type C
CODE#_0426 Mapetard R	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type B and D
CODE#_0427 Polychem RENU	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type B
CODE#_0428 Polychem SPC	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type F
CODE#_0429 Mapefast Super Set	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type C and E
CODE#_0430 Polychem Super Set Plus	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type C

CODE#_0467 Mapeplast N	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type A and D
CODE#_0436 Mapeplast 400 NC	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type A
CODE#_0437 Dynamon 850	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type A
CODE#_0445 Polychem Super Set II	Mapei Corporation	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	Type C and E
CODE#_0016 MasterPozzolith 322	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A, B, and D
CODE#_0030 MasterPolyHeed N	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A
CODE#_0066 MasterRheobuild 1000	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type F
CODE#_0483 MasterPolyHeed 980	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0076 MasterPolyHeed 997	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0138 MasterSet Delvo	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type B and D
CODE#_0141 MasterSet R 100	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type B and D
CODE#_0142 MasterSet R 122	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type B and D
CODE#_0143 MasterPozzolith 200	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A, B, and D
CODE#_0159 MasterSet R 300	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type B and D
CODE#_0174 MasterPozzolith 80	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A, B, and D
CODE#_0183 MasterGlenium 3030	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0193 MasterGlenium 3400	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0194 MasterPolyHeed 1020	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0195 MasterPolyHeed 1025	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0202 MasterGlenium 1466	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0204 MasterPolyHeed 900	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A
CODE#_0205 MasterSet FP 20	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type B and D
CODE#_0210 MasterGlenium 7700	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type F
CODE#_0211 MasterGlenium 7500	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0227 MasterGlenium 7710	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type F

CODE#_0235 MasterSet R 961	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type B and D
CODE#_0239 MasterSet AC 534	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type C
CODE#_0279 MasterLife CI 30	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type C
CODE#_0357 MasterPozzoloth 700	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A, B, and D
CODE#_0366 MasterGlenium 7620	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type F
CODE#_0442 MasterGlenium 7920	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0461 MasterGlenium 7925	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A and F
CODE#_0476 Master X-Seed 66	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44122	Type A
CODE#_0253 UltraFlo 4600	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type F
CODE#_0254 UltraFlo 2000	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type F
CODE#_0255 OptiFlo 500	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type A and D
CODE#_0256 OptiFlo Plus	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type A
CODE#_0257 OptiFlo MR	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type A and F
CODE#_0259 OptiFlo 50	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type A and D
CODE#_0261 NitroCast K	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type C
CODE#_0289 NitroCast 701	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type C
CODE#_0359 EcoFlo Green	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type A and F
CODE#_0361 OptiFlo 100R	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type B and D
CODE#_0362 OptiFlo 700	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type A and F
CODE#_0364 Prolong	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type B
CODE#_0412 NitroCast NC	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type C
CODE#_0413 UltraFlo 5600	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type F
CODE#_0414 UltraFlo DP	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554	Type F
CODE#_0105 LC 400 P	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and D
CODE#_0106 LC 400	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A

CODE#_0107 Superflo 440	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and F
CODE#_0108 Superflo 443	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and F
CODE#_0109 LC 400 R	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type D
CODE#_0126 FinishEase NC	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and G
CODE#_0300 LC 500	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and D
CODE#_0301 Russ Tech RCI	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type C
CODE#_0302 Superflo 2000 RM	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and F
CODE#_0365 Renu	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type D
CODE#_0400 Superflo 2000 SCC	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and F
CODE#_0406 Extendflo X90	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A
CODE#_0409 Superflo 2040 RM	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type A and F
CODE#_0410 LCNC 166	RussTech	11208 Decimal Drive	Louisville, KY 40299	Type E
CODE#_0027 Plastocrete 161	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A
CODE#_0145 Plastiment	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type D
CODE#_0167 Sikament SPMN	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0168 ViscoCrete 6100	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0190 ViscoCrete 2100	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0191 ViscoCrete 4100	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0203 Sikament 686	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0223 Sikaplast 300 GP	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A
CODE#_0240 Plastocrete 161FL	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type C and E
CODE#_0446 Plastocrete 250	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and D
CODE#_0268 Sika Set NC	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type C and E
CODE#_0484 Sika Set NCST	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type C and E
CODE#_0272 Sikatard 440	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type B and D

CODE#_0278 Sika Rapid -1	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type C and E
CODE#_0290 Sika Plastocrete 10N	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A, B and D
CODE#_0292 Sikament AFM	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0293 Sikaplast 200	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and G
CODE#_0358 ViscoCrete 1000	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0381 Sika CNI	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type C
CODE#_0465 SikaMix HC-300	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type F
CODE#_0397 Plastiment XR	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type D
CODE#_0401 Sikamix NCA	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type C
CODE#_0422 Sikament 475	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0441 ViscoFlow 2020	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and F
CODE#_0446 Plastocrete 250	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type A and D
CODE#_0465 SikaMix HC-300	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071	Type F

(3) CHEMICAL ADMIXTURES FOR CONCRETE TYPE S - Physical Lab

To be included on List 3, the Manufacturer shall follow the requirements of the Manual of Instructions 204.01 and meet Road and Bridge Sec. 215.02.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Code & Product	Manufacturer	Street Address	Location
Code#_0485 SU+	Beomjun E&C	13-gil 24 2nd floor	Seoul, South Korea
CODE#_0421 EdenCrete	Eden Innovations LLC	12420 N. Dumont Way	Littleton, CO 80125
CODE#_0460 EdenCrete Pz	Eden Innovations LLC	12420 N. Dumont Way	Littleton, CO 80125
CODE#_0459 Eucon SRA-XT	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110
CODE#_472 Eucon AWA-P20	Euclid Chemical Company	19218 Redwood Rd	Cleveland, OH 44110
CODE#_0453 Slick-Pak	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149
CODE#_0454 Sick-Pak II	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149
CODE#_0455 Super Slump Buster	Fritz-Pak Corp.	4821 Eastover Circle	Mesquite, TX 75149
CODE#_0271 V-Mar F100	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887
CODE#_0274 V-Mar 3	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887
CODE#_0395 Rasir	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887
CODE#_0432 Eclipse 4500	GCP Applied Technologies	100 Research Drive	Wilmington, MA 01887
CODE#_0450 Hycrete X1002	Hycrete Inc.	462 Barell Avenue	Carlstadt, NJ 07022
CODE#_0431 Mapecrete VMA	Mapei Corporation	2978 Center Court	Eagan, MN 55121
CODE#_0273 MasterSure Z 60	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0369 MasterMatrix VMA 362	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0379 MasterMatrix VMA 450	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110

CODE#_0405 MasterLife ASR 30	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0411 MasterMatrix 33	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0419 MasterLife SRA 35	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0476 0477 Master X Seed 44	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0443 Master X Seed 55	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0452 MasterSure 1390	Master Builders Solutions	23700 Chagrin Blvd	Cleveland, OH 44110
CODE#_0378 PREVent C	Premier Const. Products	508 Cedar Street	Conshohocken, PA 19428
CODE#_0277 Sika Stabilizer 4 R	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0380 Sika Watertight Power	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0402 Sika Control ASR	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0403 Sika Control 75	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0420 Sika Stabilizer 300 SCC	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0433 Sika Control NS	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0441 Sika ViscoFlow 2020	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0462 Sika WT-240 P	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071
CODE#_0463 Sika Control SC	Sika Corp	201 Polito Avenue	Lyndhurst, NJ 07071

(4) CORROSION INHIBITING ADMIXTURES - Physical Lab

To be included on List 4, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.01 and meet Road and Bridge Sec. 215.02(j).

<https://www.virginiadot.org/business/materials-download-docs.asp>

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Code & Product	Manufacturer	Street Address	Location
CODE#_003 Eucon CIA	Euclid Chemical Company	19218 Redwood Rd.	Cleveland, OH 44110
CODE#_002 Chemstrong CI	Great Eastern Technologies	4407 S. Broad Street	Yardville, NJ 08620
CODE#_279 MasterLife CI 30	Master Builders Solutions	23700 Chagrin Blvd.	Cleveland, OH 44122
CODE#_005 Impede CNI	Premiere Concrete Admixtures	508 Cedar Street	Pioneer OH 43554
CODE#_242 Russ Tech RCI	RussTech	11208 Decimal Drive	Louisville, KY 40299
CODE#_381 CNI	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071
CODE#_004 DCI	W.R. Grace & Company	62 Whittemore Avenue	Cambridge, MA 02140
CODE#_368 DCI S	W.R. Grace & Company	62 Whittemore Avenue	Cambridge, MA 02140

(5) AGGREGATES (Fine, Coarse, Asphalt Conc. Fine, and Lightweight) - Physical Lab

To be included on List 5, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.02 and meet Road and Bridge Sec. 202 and/or 203.

<https://www.virginia.gov/business/materials-download-docs.asp>

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202 FINE AGGREGATE DATA - GRADING A															
Manufacturer	List #_Plant Code_Quarry	Street Address	Location	Date Test Performed	Agg. Class	SSD Sp Gr	Abs	LA Loss A	LA Loss B	LA Loss C	Dry Bulk Sp Gr	F.M.	Soundness	% Void	Sand Equiv
Aggregate Industries Charles City, VA	05_4100_Q	7420 Salem Run Trail	Charles City, VA 23030	3/21		2.62	0.7					2.9	5.3	50.7	
Aggregate Industries Gloucester, VA	05_6029_Q	4315 Sears Country Rd.	Gloucester, VA 23061	11/22/2022		2.67	0.1					2.6	3.0	43.3	95
Aggregate Industries/ Hay Field	05_6035_Q	18173 Tidewater Trail	Fredericksburg, VA 22408	7/20	Gr.	2.61	2.7					2.9	12.0	47.9	
Aggregate Industries Harpers Ferry, WV	05_8086_Q	57 Blair Road	Harpers Ferry, WV 25425	2022	Ls	2.84	0.5				2.823	2.8	4.6	48.3	94
Aggregate Industries Mattaponi, VA	05_6027_Q	1566 McKendree Ln	Aylett, VA 23009	10/25/2022	Qz.	2.65	0.3				2.640	2.7	1.3		
Aggregate Industries Rappahannock Farm	05_6033_Q	15191 Cleve Drive	King George, VA 22485	4/15	Ls	2.62	0.9					3.1	13.0	50.4	
Appalachian Aggregates Dickensonville, VA	05_1026_Q	25503 Hwy 58	Dickensonville, VA 24224	3/21	Ls.	2.68	0.8					3.4	2.1	44.5	
Appalachian Aggregates Pounding Mill, VA	05_1039_Q	Quarry Street	Pounding Mill, VA 24637	5/21		2.66	1.2					2.9	9.6		
APAC- Carolina Candor, NC	05_2061_Q		Candor, NC 27229	2018	N.S.	2.63	0.6					2.5	3.0	45.8	
Aylett Sand & Gravel Aylett, VA	05_6018_Q	15700 Richmond Tappahannock Hwy.	Aylett, VA 23009	5/17	Qz.	2.62	0.2					2.9	4.4	47.4	
Bluewater Industries Abingdon	05_1058_Q	21339 Gravel Lick Rd	Abingdon, VA 24210	6/20	Do.	2.74	1.5					3.1	4.4	50.4	

Boxley Aggregates Blue Ridge	05_2004_Q	15418 W Lynchburg-Salem Tpk	Blue Ridge, VA 24064	2016	Ls. & Do.	2.68	2.0					2.7	6.3	44.3	
Boxley Aggregates Fieldale	05_2009_Q	3785 Carver Rd	Martinsville, VA 24112	2017	Gn	2.73	2.1					2.7	10.6	49.0	
Boxley Aggregates Headens Bridge	05_2057_Q			2017	N.S.	2.63	2.0					3.0	15.1	45.8	
Boxley Aggregates Lynchburg	05_3003_Q	726 Lawyers Rd	Lynchburg, VA 24501	2017	Ar. Ma.	2.71	1.0					3.1	18.1	49.0	
Boxley Aggregates Mt. Athos, VA	05_3030_Q	1299 State Rd	Concord, VA 24538	2018	Gs	3.10	0.8					2.9	15.8	49.6	
Branscome Hofmyer Plant	05_4005_Q	8704 John Tyler Hwy	Williamsburg, VA 23185	1/21	N.S.	2.64	0.4					2.8	7.0	49.1	
Branscome Stony Creek	05_5074_Q	11205 Setzer Rd	Stony Creek, VA 23882	5/23	N.S.	2.65	0.5				2.610	2.8	3.8	49.1	
Blair Sand & Materials Capron, VA	05_5091_Q	19260 Raccoon Chreek Drive	Capron, VA	5/23	Gr.	2.80	0.4				2.781	2.7	1.5	46.5	
Cardinal Stone Co. Galax, VA	05_1009_Q	1538 Edmonds Rd	Galax, VA 24333	3/19	Ls.	2.75	0.8					3.0	9.4	47.8	
Carmeuse Strasburg	05_8005_Q	1696 Oranda Rd	Strasburg, VA 22657	2023	Ls.	2.65	1.5				2.613	2.9	14.6	45.0	74
Castle Sand Co.	05_2005_Q	1394 Sand Plant Rd	New Castle, VA 24127	2020	N.S.	2.61	0.7					2.3	17.9	44.9	
Chaney Enterprises Moss Neck	05_6046_Q	19198 Tidewater Trail	Woodford, VA 22580	3/28/2022		2.64	0.5				2.620	2.3	7.0	45.8	
Chaney Enterprises Waldorf, MD	05_9061_Q	12165 Action Lane	Waldorf, MD 20601	4/13	N.S.	2.61	0.6					3.0	4.5	47.7	
Chaney Enterprises Seaford, DE	05_9071_Q	20956 Coverdale Rd	Bridgeville, DE 19933	2/18	N.S.	2.62	0.4					2.9	6.6	42.4	
Chaney Enterprises Charles City, VA	05_4009_Q	8704 John Tyler Memorial Hwy.	Charles City, VA 23030	5/21		2.62	0.4					3.0	8.1		
Chaney Enterprises Carson, VA	05_5035_Q		Carson, VA 23668	4/11	N.S.	2.58	0.9					3.0	15.4	41.0	
Chaney Enterprises Mattaponi	05_6015_Q	366 Gravel Pit Road	Newtown, VA 23126	3/12	Ls	2.64	0.3					2.8	4.4	49.8	

D.M. Conner Stuarts Draft	05_8084_Q	100 Lake Road	Stuarts Draft, VA 24472	2023	N.S.	2.62	0.7				2.605	2.5	14.5	47.9	81
Commercial Ready Mix Pit 2 Pendleton, NC	05_5055_Q			9/17	Do.	2.62	0.5					2.6	4.3	44.3	
E. Dillon & Co Swords Creek	05_1064_Q	2522 Swords Creek Rd	Swords Creek, VA 24649	9/18		2.78	1.3					2.7	9.4	47.8	
Disney Sand & Gravel	05_5082_Q	840 W Isabella St 2	Salisbury, MD 21801	5/16	N.S.	2.61	0.6					2.5	6.0	40.4	
English Sand & Gravel Otter River Rte. 24	05_3051_Q	Big Otter River	Bedford, VA	2018	Ls	2.63	1.9					2.6	15.6	46.8	
Frazier Quarry Harrisonburg	05_8062_Q	3044 Buttermilk Creek Rd	Harrisonburg, VA 22802	2022	Ls	2.70	0.7				2.686	3.2	5.1	44.5	96
G&S Materials Candor, NC	05_3053_Q	102 Lighthouse Church Rd	Jackson Springs, NC	2012	N.S.	2.61	0.8					2.6	9.8	49.4	
Gudelsky Materials Brandywine, MD	05_9057_Q	14750 Gibbons Church Rd	Brandywine, MD 20613	4/18	Ls	2.61	0.8					2.9	3.9	43.3	
Heidelberg Materials	05_8017_Q	1111 Riverton Rd	Front Royal, VA 22630	2023	Ls.	2.67	1.2				2.639	3.3	13.2	48.0	88
Howlin Concrete Co Mechanicsville, MD	05_9056_Q			5/18	Ls	2.62	0.5					2.8	4.5	47.9	
Inwood Quarries- Inwood, WV	05_8092_Q	9171 Winchester Ave	Inwood, WV 25428	2022	Ls.	2.78	1.0				2.754	2.8	2.7	45.5	86
King William Sand & Gravel Queenfield plant	05_6045_Q	205 Dabneys Mill RD.	Manquin, VA 23106	8/1/2022	Qz.	2.70	0.6				2.680	3.0	5.9	46.2	99
Luck Stone Corporation Caroline, VA	05_6014_Q	19380 Richmond Turnpike	Milford, VA 22514	3/12	Am.Gn.& Mmp.Gr.	2.62	0.4					2.8	6.0	48.1	
Luck Stone Corporation Powhatan, VA	05_4045_Q	1921 Anderson Highway	Powhatan, VA 23139	7/16		2.63	0.2					2.8	4.3	49.4	
M L Joseph Georgetown DE	05_5075_Q			6/13		2.60	0.6					2.5	2.6	41.1	
Mathews Sand & Gravel Stoney Creek, VA	05_5094_Q	19260 Raccoon Creek	Capron, VA	7/18	Ls	2.58	0.8					2.9	16.7	44.8	
Merrick Sand and Gravel Ingleside, MD	05_9001_Q	1120 Merrick Corner RD	Ingkeside, MD	6/23		2.59	1.0				2.560	2.5	7.4	49.0	90
Mountain Materials Glade Spring, VA	05_1066_Q	14196 Monroe Rd	Glad, VA 24319	3/19	NS	2.71	1.6					2.9	1.9	50.3	
Norman Sand Candor NC	05_3062_Q	Yarborough Rd	Candor, NC 27229	9/17	Ls	2.62	0.4					2.6	2.2	49.7	

Stuart M. Perry, Inc Winchester	05_8021_Q	117 Limestone Lane	Winchester, VA 22602	2019	Ls	2.68	1.3				2.644	2.9	4.8	43.9	86
Rockbridge Stone Stuarts Draft, VA	05_8076_Q	1526 Cold Springs Rd	Stuarts Draft, VA 24477	2020	Rv. Gvl.	2.59	1.4				2.550	2.6	16.7	45.6	84
Rockydale Quarries Roanoke	05_2015_Q	4754 Old Rocky Mount Rd	Roanoke, VA 24014	2016	N.S.	2.74	2.2					3.5	8.4	48.1	
Salem Stone Corp Sylvatus	05_1062_Q	456 Wysor Hwy	Hillsville, VA 24343	2018	N.S.	2.62	2.0					3.1	8.7	50.3	
Sloan Materials Leonardtown, MD	05_9062_Q	24770 Maypole Rd	Leonardtown, MD 20650	4/18		2.62	0.8					2.8	4.0	41.6	
Southside Materials Drake's Branch, VA	05_3055_Q	301 Sunrise Ln	Charlotte Court House, VA	2019	Ls & Do	2.67	0.5					2.7	10.4	50.1	
Stony Creek Materials Stony Creek, VA	05_5088_Q	26004 Trouble Field RD	Stony Creek ,VA	2017	N.S.	2.59	0.8					2.8	11.5	45.3	
Titan Branchville, VA	05_5093_Q	12390 Whitehead Rd	Branchville, VA 23838	2/21	N.S.	2.61	0.6					2.5	5.3	44.7	
Titan Waverly	05_5072_Q			2/21	N. S.	2.60	0.5					2.8	9.0	45.1	
Vulcan Materials Bristol, TN	05_1076_Q	1516 Highway 11W	Bristol, TN 37620	3/21	Ls	2.63	0.8					3.0	2.7	42.9	
Vulcan Materials Co. Kingsport, TN	05_1035_Q	400 Deneen Lane	Kingsport, TN 37660	3/21	N.S.	2.62	0.7					2.9	1.1	43.2	
vulcan materials Co. Puddledock, Petersburg, VA	05_4018_Q	4120 Puddledock Rd.	Prince George, VA 23875	7/17		2.60	0.3					2.8	8.9	48.9	
Vulcan Materials Co. Seaford, DE	05_9073_Q	16105 Hardscrabble Rd	Seaford, DE 19973	10/18		2.60	0.8					2.8	11.5	46.5	
Vulcan Materials Co. Staunton, VA	05_8071_Q	327 Luck Stone Rd	Staunton, VA 24401	2021	Ls.	2.64	1.9				2.592	2.9	12.9	47.0	66

wytne Stone Co. Wytheville, VA	05_1082_Q	2377 Atkins Mill Road	wytneville, VA 24282	5/20	N.S.	2.57	0.4						2.4	2.2		
202 ASPHALT CONCRETE FINE AGGREGATES - GRADING A																
Manufacturer	List #_Plant Code_Quarry	Street Address	Location	Date Test Performed	Agg. Class	SSD Sp Gr	Abs	LA Loss A	LA Loss B	LA Loss C	Dry Bulk Sp Gr	F.M.	Sound ness	% Void	Sand Equip	
Acres Sand & Stone Stuarts Draft, VA	05_8090_Q	98 Lake Road	Stuarts Draft, VA 24477	2020	Ns.	2.61	0.8				2.585	2.5	17.7	47.5	83	
Adams Construction Co Danville	05_3025_Q	225 Gypsum Rd	Danville, VA 24541	2019	N.S.		1.4				2.572		22.9		91	
Adams Construction Co Otter River	05_3038_Q	Big Otter River	Evington, VA 24550	2018	N.S.		1.9				2.591		14.9		87	
Adams Construction Co Dan River	05_3052_Q	Dan River, Mayfield Rd	Whitfield, VA 24382	2015	N. S.		1.2				2.590		21.5		95	
Adams Construction Co South Boston	05_3045_Q	Sandy Beach Road	South Boston, VA 24592	2017	N. S.		1.3				2.570		20.1		94	
Adams Construction Turberville VA	05_3035_Q	Fowler Trail	Turberville, VA 24592	2019	N.S.		1.2				2.618		24.4		98	
Aggregate Industries Brandywine, MD	05_9101_Q	5601 Accokeek Rd	Brandywine, MD 20613	2/20			1.1				2.560		4.0		87	
Aggregate Industries Charles City, VA	05_4100_Q	7420 Salem Run Trail	Charles City, VA 23030	3/21			0.7				2.596		5.3			
Aggregate Industries Harpers Ferry, WV	05_8086_Q	57 Blair Road	Harpers Ferry, WV 25425	2022	Ls.	2.84	0.5				2.823	2.8	4.6	48.3	94	
Appalachian Aggregates Bluefield, VA	05_1025_Q	171 Saint Clair Crossing	Bluefield, VA 24605	3/18	Ls.		0.1				2.698		5.6		96	
Appalachian Aggregates Hillsboro, WV	05_8069_Q	400 Stamping Creek Rd	Hillsboro, WV 24946	2023	Ls.	2.67	1.4				2.633	3.7	9.1	46.4	77	
Appalachian Aggregates Lewisburg, WV	05_8082_Q	21071 Midland Trl West	Lewisburg, WV 24901	2023	Ls.	2.64	1.8				2.598	3.3	9.5	45.5	66	
Appalachian Aggregates Mouth of Wilson	05_1080_Q	4648 Potato Creek Rd	Mouth of Wilson, VA 24363	5/21	Gr.		0.9				2.699		8.2		71	
Appalachian Aggregates Princeton, WV	05_1018_Q	112 Ingleside Road	Princeton, WV 24740	9/18	Ls.		1.3				2.685		6.2		85	
Appalachian Aggregates Pounding Mill, VA	05_1039_Q	Quarry Street	Pounding Mill, VA 24637	5/18	Ls.		2.8				2.507		9.2		69	
C.W. Barger & Sons Lexington	05_8004_Q	10 Borden School Rd	Lexington, VA 24450	2021	Ls.	2.66	1.6				2.613	3.7	6.9	45.5	79	
Bizzack Construction Dickensonville, VA	05_1117_Q	140 Fabric Road	Cedar Bluff, VA 24224	4/18	Ls.		1.6				2.671		18.7		45	

Bluewater Industries Elizabethton, TN	05_1100_Q	210 Judge Ben Allen Rd	Elizabethton, TN	2021	Qzi.		1.9				2.683		9.4		56
Boxley Aggregates Fieldale	05_2009_Q	3785 Carver Rd	Martinsville, VA 24112	2017	Gn.		2.1				2.672		10.6		65
Boxley Aggregates Goose Creek	05_2043_Q			2020	N.S.		1.7				2.577		24.2		87
Boxley Aggregates Lynchburg	05_3003_Q	726 Lawyers Rd	Lynchburg, VA 24501	2019	Ar.Ma.		0.7				2.706		16.7		86
Boxley Aggregates Low Moor	05_8025_Q	7612 Rich Patch	Low Moor, VA 24457	2021	Ls.	2.67	1.3				2.639	4.0	10.8	45.8	84
Boxley Aggregates Mt. Athos, VA	05_3030_Q	1299 State Rd	Concord, VA 24538	2017	Gs.		1.0				2.999		6.6		93
Boxley Aggregates Piney River	05_3034_Q	739 Warrick Barn Rd	Arrington, VA 22922	2021	Ap.		0.7				2.731		2.8		75
Cardinal Stone Co. Galax, VA	05_1009_Q	1538 Edmonds Rd	Galax, VA 24333	3/16	Bi.		1.0				2.742		13.7		93
Carmeuse Strasburg	05_8005_Q	1696 Oranda Rd	Strasburg, VA 22657	2023	Ls.	2.64	1.8				2.590	3.6	15.2	46.0	65
Carmeuse Winchester	05_8028_Q	508 Quarry Lane	Clearbrook, VA 22634	2023	Ls.	2.62	2.5				2.556	2.9	14.0	45.8	58
Carolina Sunrock Woodsdale	05_3056_Q	5280 Woodsdale R	Roxboro, NC 27574	2018	Gs.		1.0				2.806		21.1		83
Cedar Mtn Stone Corp Mitchell VA	05_7031_Q	10496 Quarry Drive	Mitchells, VA	1/18	Db.(Tr.)		1.2				3.050		7.3		65
Chantilly Crushed Stone Co Chantilly, VA	05_9004_Q	Vulcan Quarry Rd., P. O. Box 182	Chantilly, VA 20152	8/19	Db. (Tr.)		0.6				2.960		10.3		42
D.M. Conner Stuarts Draft	05_8084_Q	100 Lake Road	Stuarts Draft, VA 24477	2023	N.S.	2.62	0.7				2.605	2.5	14.5	47.9	81
F&M Construction Co Carroll County	05_1011_Q	927 Training Ctr Rd	Hillsville, VA 24343	2019	Qzi.		2.0				2.602		8.9		72
Frazier Quarry Elkton	05_8067_Q	5967 Humes Run Rd	Elkton, VA 22827	2021	Ls.	2.74	1.1				2.707	2.5	8.2	50.2	81
Frazier Quarry Harrisonburg	05_8062_Q	3044 Buttermilk Creek Rd	Harrisonburg, VA 22802	2023	Ls.	2.66	1.5				2.625	4.3	8.4	45.4	87
P. C. Goodloe Fredericksburg, VA	05_6019_Q	Quarry Road	Fredericksburg, VA 22401	10/18	Qz		0.6				2.569		16.2		
Heidelberg Materials	05_8017_Q	1111 Riverton Rd	Royal, VA 22630	2019	Ls.	2.69	0.8				2.669	3.1	10.6	47.7	86

Hinkle Gibson Station	05_1029_Q	184 Dusty Drive	Ewing, VA 24248	9/18			1.1				2.650		12.3		71
Inwood Quarries- Inwood, WV	05_8092_Q	9771 Winchester Ave	Inwood, WV 25428	2022	Ls.	2.78	1.0				2.754	2.8	2.7	45.5	86
Jessee Stone Co- Woodway	05_1038_Q	Rte 642	Woodway, VA 24277	3/18	Ls.		0.4				2.689		14.9		87
Laurel Hill	05_9103_Q	10642 Woodsboro Rd.	Woodsboro, MD 21798	11/22		2.63	2.0				2.770	3.7	19.4	49.5	92
Loudoun Quarry Herndon	05_9011_Q	23070 Shaw Rd	Sterling, VA 20166	2/16	Db.		0.5				2.950		3.7		66
Luck Stone Corporation Bealton	05_7052_Q	11603 Luck Stone Rd	Bealton, VA 22712	10/17	Db.		0.8				2.920		6.7		54
Luck Stone Corporation Boscobel	05_4001_Q	485 Quarry Drive	Manakin-Sabot, VA 23103	1/19	Gn. & Gr.		2.0				2.486		13.5		58
Luck Stone Corporation Burkeville, VA	05_4002_Q	500 Ronnie Armes Way	Burkeville, VA 22922	2/16	Am.Gn. & Gr		1.0				2.623		4.8		
Luck Stone Corporation Fairfax	05_9007_Q	15717 Lee Highway	Centreville, VA 20122	6/19	Db.(Tr.)		1.4				2.840		5.0		74
Luck Stone Corporation Culpeper	05_7006_Q	18244 Germanna Highway	Stevensburg, VA 22741	6/19	Sis.		2.0				2.630		3.0		86
Luck Stone Corporation Leesburg, VA	05_9010_Q	20210 Luck Lane	Ashburn, VA 20147	2/16	Db.(Tr.)		0.6				2.960		5.2		52
Luck Stone Corporation Bull Run	05_9003_Q	27672 Gum Springs Rd	Chantilly, VA 20152	12/19	Db.(Tr.)		1.0				2.900		4.0		47
Luck Stone Corporation Prince Edward	05_3063_Q	11779 Prince Edward Hwy	Farmville, VA 23901	2017			0.6				2.737		17.6		62
Luck Stone Corporation Powhatan, VA	05_4045_Q	1921 Anderson Highway	Powhatan, VA 23139	7/16	Am.Gn.& Mmp.Gr.		0.8				2.690		12.9		71
Luck Stone Corporation South Richmond, VA	05_4021_Q	2100 Deepwater Terminal Rd	Richmond, VA 23234	12/18	Am.-Bi.-Gn .& Gr. Scr.		0.7				2.753		17.0		50
Luck Stone Corporation Rivanna	05_7072_Q	2430 Rio Mills Rd	Earlysville, VA 22936	2/15			1.0				2.870		8.5		66
Luck Stone Corporation Rockville, VA	05_4011_Q	2115 Ashland Road	Rockville, VA 23146	5/18	Qzi., Mmp.Gn.		0.8				2.605		14.2		69
Luck Stone Corporation Greene	05_7043_Q	221 Luck Stone Rd	Ruckersville, VA 22968	2/19	Gr. & Gn.		0.5				2.870		11.8		67
Luck Stone Corporation Charlottesville	05_7005_Q	2981 Richmond Road	Charlottesville, VA 22902	2/18	Gs.		0.6				2.880		6.8		60

Luck Stone Corporation Spotsylvania, VA	05_6040_Q	9100 Luck Stone Lane	Fredericksburg, VA 22407	12/16			0.3				2.754		11.0		74
Luck Stone Corporation Eden Quarry Cascade	05_3060_Q	101 Solite Drive	Cascade, VA 24069	11/19			2.2				2.563		24.0		
Luck Stone Corporation Mt. Airy, NC	05_2003_Q	525 Quarry Rd	Mt. Airy, NC 27030	2020	Gn.		0.2				2.761		28.1		76
Martin Marietta Aggregates Doswell, VA	05_4008_Q	12068 Stone Quarry Road	Doswell, VA 23407	11/17			0.7				2.702		9.8		53
Martin Marietta Aggregates Frederick, MD	05_9067_Q	1000A E South St	Frederick, MD 21701	8/13			0.9				2.660		5.1		56
Martin Marietta Aggregates Frederick, MD	05_1118_Q		Frederick, MD	6/21			1.8				2.599		15.6		61
Martin Marietta Aggregates Anderson Creek	05_4054_Q	1940 Ashland Road	Rockville, VA 23146	7/17			0.5				2.688		6.3		87
Martin Marietta Red Hill Plant	05_7017_Q	2625 Red Hill Rd	North Garden, VA 22959	2/19	Gr.		0.2				2.810		4.7		65
Martin Marietta Aggregates Warbro Road	05_4046_Q	3636 Warbro Road	Midlothian, VA 23113	6/16	Gr. & Am.Gn. Do. Ls.		1.2				2.629		2.1		74
Martin Marietta Reidsville, NC	05_3061_Q	7639 NC 87	Reidsville, NC 27320	2019			1.2				2.713		6.8		64
Maymead Lime Co Mountain City, TN	05_1044_Q	1995 Roan Creek Rd	Mountain City, TN 37683	1/21	Gr.		1.6				2.620		7.6		70
Mountain Aggregates Burdine, KY	05_1003_Q	12536 Hwy 805	Burdine, KY 41517	6/21	Ls.		1.9				2.557		21.3		61
Mountain Aggregates Elkhorn City, KY	05_1063_Q	2373 Elkhorn Creek Rd	Elkhorn City, KY 41522	6/21	Ls.		1.3				2.625		6.6		66
Mountain Materials Glade Spring, VA	05_1066_Q	14196 Monroe Rd	Glad, VA 24319	3/19	Ls.		1.9				2.632		2.1		75

Stuart M. Perry, Inc Berryville	05_8020_Q	426 Quarry Rd	Berryville, VA 22611	2021	Ls.	2.79	1.2				2.758	3.9	2.9	47.0	78
Stuart M. Perry, Inc Winchester	05_8021_Q	117 Limestone Lane	Winchester, VA 22602	2023	Ls	2.64	2.0				2.586	3.5	4.0	45.5	75
Powell Valley Stone Dot, VA	05_1048_Q	Rt 58	DOT, VA 24243	3/18	Ls.		1.3				2.651		20.0		63
RBS Inc. Lewisburg WV	05_8097_Q	2790 Unus Rd	Lewisburg, WV 24901	2020	Ls.	2.65	1.9				2.605	2.8	11.1	46.4	69
Rockbridge Stone Glasgow VA	05_8013_Q	1024 Lone Jack Rd	Glasgow, VA 24555	2023	Ls	2.78	1.0				2.754	3.1	19.1	46.9	90
Rockbridge Stone Stuarts Draft VA	05_8076_Q	1526 Cold Springs Rd	Stuarts Draft, VA 24477	2018	Ns.		1.3				2.569		13.8		45
Rockydale Quarries Appomattox	05_3001_Q	143 Quarry Rd	Appomattox, VA 24522	2017	Ls.		0.8				2.790		2.3		98
Rockydale Quarries Broadway	05_8007_Q	11261 Turleytown Rd	Linville, VA 22834	2023	Ls	2.74	1.7				2.695	3.1	6.3	46.0	76
Rockydale Quarries Roanoke	05_2015_Q	4754 Old Rocky Mount Rd	Roanoke, VA 24014	2016	Ls & Do		2.2				2.680		8.4		72
Rockydale Quarries Gladehill	05_2065_Q	1535 Jack's Crk Rd	Glad Hill, VA 24092	2020	Am		0.7				3.038		26.6		84
Rockydale Quarries Staunton	05_8057_Q	251 National Avenue	Staunton, VA 24401	2021	Ls	2.73	1.7				2.682	3.4	4.5	45.1	74
Salem Stone Corp Rocky Gap	05_1023_Q	707 Quarry Dr.	Rocky Gap, VA 24366	2/18	Ls.		0.6				2.591		5.5		49
Salem Stone Corp Dublin	05_2044_Q	5822 Wilderness Rd	Dublin, VA 24084	2020	Ls		2.4				2.588		12.6		77
Salem Stone Corp Blacksburg	05_2059_Q	677 Jennelle Rd	Blacksburg, VA 24060	2020	Ls & Do		0.2				2.821		15.6		77
Salem Stone Corp Shawsville	05_2047_Q	5441 Roanoke Rd	Shawsville, VA 24162	2019	Ls. & Do.		1.9				2.681		12.7		81
Shenandoah Stone Vesuvius	05_8074_Q	5047 Cold Springs Rd	Raphine, VA 24472	2020	Ns.	2.62	0.8				2.595	2.8	9.7	48.5	72
Slate Sand Pilot Mt, NC	05_2062_Q	1073 John Mickles Rd	Pinnacle, NC 27043	2020	Nat Sand		1.1				2.594		13.5		91
Southside Materials Danville, VA	05_3009_Q	1524 Rock Quarry Rd	Pelham, NC 27311	2018	Gr. Gn.		0.7				2.599		4.5		70
Southside Materials South Boston, VA	05_3010_Q	360 East	South Boston, VA 24592	2017	Gr.		1.3				2.741		12.0		58

Specialty Granules Blue Ridge Summit, PA	05_8098_Q	1455 Old Waynesboro Rd	Summit, PA 17214	2021	B.	2.79	3.2				2.706	3.2	16.3	45.3	69
Vulcan Materials Co. Dale - Chester, VA	05_4015_Q	11520 Iron Bridge Rd.	Chester, VA 23831	1/19	Bi.Gn.&Gr.S cr		2.5				2.562		14.7		74
Vulcan Materials Co. Garrisonville, VA	05_6012_Q	Vulcan Quarry Rd.	Garrisonville, VA 22463	3/28/2022		2.92	1.2				2.880		15.0	49.3	95
Vulcan Materials Co. Hanover, PA	05_7065_Q	875 Oxford Ave	Hanover, PA 17331	5/13			0.3				2.790		6.2		74
Vulcan Materials Co. Havre de Grace, MD	05_5016_Q	938 Quarry Rd	Havre de Grace, MD 21078	11/15	Di.(Tr.)		0.8				2.780		4.9		74
Vulcan Materials Co. Jack - Petersburg, VA	05_4016_Q	23308 Cox Rd.	Petersburg, VA 23803	2/16	Bi.Gn.&Gr.S cr		1.3				2.542		2.9		
Vulcan Materials Co. Manassas, VA	05_9022_Q	8537 Vulcan Lane	Manassas, VA 20108	2/16	Db.(Tr.)		1.5				2.880		5.0		31
Vulcan Materials Co. Norton, VA	05_1093_Q	6421 Powell Valley Rd	Big Stone Gap, VA 24219	3/16	Ls.		1.1				2.653		8.3		91
Vulcan Materials Co. Occoquan	05_9023_Q	10000 Ox Road	Occoquan, VA 22079	9/19	Gr.& Gn		0.5				2.650		10.8		62
Vulcan Materials Co. Skippers, VA	05_5004_Q	1459 Quarry Rd	Skippers, VA 23879	5/21	Gr.		0.9				2.624		2.7		74
Vulcan Materials Co. Staunton, VA	05_8071_Q	327 Luck Stone Rd	Staunton, VA 24401	2019	Ls.	2.64	2.1				2.589	2.9	8.1	47.1	67
Vulcan Materials Co. Union Level, VA	05_4052_Q	1261 Skyline Rd.	South Hill, VA 23970	7/23		2.61	0.7				2.594		7.5	53.6	
Vulcan Materials Co. Warrenton, VA	05_7015_Q	5485 Afton Lane	Warrenton, VA 20187	2/16	Db.(Tr.)		1.3				2.870		5.1		67
Walker Sand & Stone King George, VA	05_6044_Q	12542 James Madison Pkwy.	King George, VA 22485	10/17			1.1				2.557		2.9		41

Wythe Stone Co. Wytheville, VA	05_1082_Q	2377 Atkins Mill Road	Wytheville, VA 24382	2019	Ls.		1.5				2.722		8.2		89
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203 COARSE AGGREGATE DATA

Manufacturer	List # Plant Code_Quarry	Street Address	Location	Date Test Performed	Agg. Class	SSD Sp Gr	Abs	LA Loss A	LA Loss B	LA Loss C	Dry Bulk Sp Gr	F.M.	Sound ness	% Void	Sand Equip
Aggregate Industries/ Hay Field	05_6035_Q	18173 Tidewater Trail	Fredericksburg, VA 22408	7/20	Qz.	2.64	0.5		34.8		2.630				
Aggregate Industries Mattaponi, VA	05_6027_Q	1566 McKendree Ln	Aylett, VA 23009	2/08	Qz.	2.63	0.4		40.5		2.620				
Aggregate Industries Harpers Ferry, WV	05_8086_Q	57 Blair Road	Harpers Ferry, WV 25425	2022	Ls.	2.85	0.2		17.6		2.839		0.4		
Aggregate Industries Rappahannock Farm	05_6033_Q	15191 Cleve Drive	King George, VA 22485	8/16	Qz.	2.64	0.3		34.4		2.630				
Aggregate Industries Rockville, MD	05_9102_Q	13900 Piney Meetinghouse Rd	Rockville Md 20850	9/21		2.67	0.3		15.0		2.646				
Appalachian Aggregates Bluefield, VA	05_1025_Q	171 Saint Clair Crossing	Bluefield, VA 24605	8/18	Ls.	2.71	0.2		22.3		2.702				
Appalachian Aggregates Castlewood, VA	05_1037_Q	58 Quarry Road	Castlewood, VA 24224	4/21	Do.	2.84	0.4		21.0		2.826				
Appalachian Aggregates Dickensonville, VA	05_1026_Q	25503 Hwy 58	Dickensonville, VA 24224	2018	Ls.	2.70	0.6	25.6			2.687				
Appalachian Aggregates Hillsboro, WV	05_8069_Q	400 Stamping Creek	Hillsboro, WV 24946	2020	Ls.	2.71	0.2		20.0		2.706		2.8		
Appalachian Aggregates Lewisburg, WV	05_8082_Q	21071 Midland Trl West	Lewisburg, WV 24901	2023	Ls.	2.72	0.4		18.4		2.711		1.1		
Appalachian Aggregates Princeton, WV	05_1018_Q	112 Ingleside Road	Princeton, WV 24740	4/18	Ls.	2.67	0.4	26.8	21.8		2.658				

Appalachian Aggregates Mouth of Wilson	05_1080_Q	4648 Potato Creek Rd	Mouth of Wilson, VA 24363	4/21	Gr.	2.71	0.4	29.5	28.0		2.714				
Appalachian Aggregates Pounding Mill, VA	05_1039_Q	Quarry Street	Pounding Mill, VA 24637	4/21	Ls.	2.70	0.4	27.2	22.3		2.686				
Aylett Sand & Gravel Aylett, VA	05_6018_Q	15700 Richmond Tappahannock Hwy	Aylett, VA 23009	5/17	Qz.	2.62	0.4		36.3		2.611				
C.W. Barger & Sons Lexington	05_8004_Q	10 Borden School Rd	Lexington, VA 24450	2023	Ls.	2.72	0.2		20.7		2.716		0.3		
Bizzack Construction Creekside/Wardell	05_1116_Q	7524 North RT 71	Castlewood, VA 24224	4/16	Ls.	2.73	0.6		23.5		2.717				
Bizzack Construction Dickensonville, VA	05_1117_Q	140 Fabric Road	Cedar Bluff, VA 24224	4/18	Ls.	2.75	1.0	22.4	21.2		2.726				
Bluewater Industries Abingdon	05_1058_Q	21339 Gravel Lick Rd	Abingdon, VA 24210	5/20	Do.	2.77	0.3	18.5	15.7		2.761				
Bluewater Industries Elizabethon, TN	05_1100_Q	210 Judge Ben Allen Rd	Elizabethon, TN	7/19	Qzi.	2.60	1.0	24.1	23.0		2.598				
Boxley Aggregates Arvonias	05_3032_Q	715 Arvon Rd	Arvonias, VA 23004	6/19		2.78	0.6		19.7		2.760				
Boxley Aggregates Blue Ridge	05_2004_Q	15418 W Lynchburg-Salem Trk	Blue Ridge, VA 24064	2019	Ls.& Do.	2.77	0.3		16.8		2.760				
Boxley Aggregates Concord	05_3030_Q	1299 State Rd	Concord, VA 24538	2017	Gs.	3.05	0.3		16.2		3.040				
Boxley Aggregates Fieldale	05_2009_Q	3785 Carver Rd	Martinsville, VA 24112	2017	Gn.	2.82	0.5		27.3		2.810				

Boxley Aggregates Lynchburg	05_3003_Q	726 Lawyers Rd	Lynchburg, VA 24501	2017	Do., Ls.	2.73	0.4		22.1		2.720				
Boxley Aggregates Low Moor	05_8025_Q	7612 Rich Patch	Low Moor, VA 24457	2019	Ls.	2.74	0.3		18.3		2.736		0.7		
Boxley Aggregates Piney River	05_3034_Q	739 Warrick Barn Rd	Arrington, VA 22922	2017	Ap	2.83	0.4		15.2		2.820				
Branscome Hofmyer Plant	05_4005_Q	8704 John Tyler Hwy	Williamsburg, VA 23185	1/21	Rv. Gvl.	2.60	0.8		33.3		2.577				
Branscome StonyCreek	05_5074_Q	11205 Setzer Rd	Stony Creek, VA 23882	11/18		2.61	0.6			39.5	2.590				
Cardinal Stone Co. Galax, VA	05_1009_Q	1538 Edmonds Rd	Galax, VA 24333	3/19	Gr.	2.65	1.5	20.4	23.6		2.611				
Carmeuse Buchanan	05_2006_Q	591 Parkway Dr	Buchanan, VA 24066	2020	L.s. & Do.	2.72	0.3		27.9		2.710				
Carmeuse Strasburg	05_8005_Q	1696 Oranda Rd	Strasburg, VA 22657	2023	Ls.	2.70	0.5		20.5		2.684		3.3		
Carmeuse Winchester	05_8028_Q	508 Quarry Lane	Clearbrook, VA 22634	2022	Ls.	2.72	0.3		28.1		2.736		1.8		
Carolina Sunrock Woodsdale	05_3056_Q	5280 Woodsdale R	Roxboro, NC 27574	4/18	Granite	2.84	0.5		18.5		2.824				
Cedar Mtn Stone Corp Mitchell VA	05_7031_Q	10496 Quarry Drive	Mitchells, VA	10/19	Db. (Tr.)	3.01	0.6		17.9		3.000				
Chaney Enterprises Moss Neck	05_6046_Q	19198 Tidewater Trail	Woodford, VA 22580	3/25/2022		2.64	0.3		30.7		2.630		1.1		
Chantilly Crushed Stone Co Chantilly, VA	05_9004_Q	Vulcan Quarry Rd., P. O. Box 182	Chantilly, VA 20152	6/19	Db. (Tr.)	2.98	0.8		16.7		2.960				
E. Dillon & Co Swords Creek	05_1064_Q	2522 Swords Creek Rd	Swords Creek, VA 24649	9/18	Do.	2.83	0.3	20.5	19.6		2.822				
F&M Construction Co Carroll County	05_1011_Q	927 Training Ctr Rd	Hillsville, VA 24343	2018	Qzi.	2.71	0.5		14.9		2.700				
Frazier Quarry Elkton	05_8067_Q	5967 Humes Run Rd	Elkton, VA 22827	2019	Ls	2.82	0.3		17.8		2.810		0.3		
Frazier Quarry Harrisonburg	05_8062_Q	3044 Buttermilk Creek Rd	Harrisonburg, VA 22802	2019	Ls.	2.72	0.3		19.6		2.714		0.4		
Frazier Quarry Timberville	05_8083_Q	17933 Forestville Road	Timberville, VA	2023	Ls	2.72	0.3		20.1		2.714		0.5		
Heidelberg Materials	05_8017_Q	1111 Riverton Rd	Front Royal, VA 22630	2020	Ls.	2.69	0.8		25.4		2.670		2.0		

Hinkle Gibson Station	05_1029_Q	184 Dusty Drive	Ewing, VA 24248	9/18	Ls.	2.68	0.4	24.7	20.6		2.669				
Inwood Quarries- Inwood, WV	05_8092_Q	9171 Winchester Ave	Inwood, WV 25428	2022	Ls.	2.827	0.4		15.0		2.817		0.6		
Jessee Stone Co- Woodway	05_1038_Q	Rte 642	Woodway, VA 24277	3/18	Ls.	2.71	0.6	21.6	21.6		2.692				
King William Sand & Gravel Queenfield plant	05_6045_Q	205 Dabneys Mill RD.	Manquin, VA 23106	1/22		2.63	0.3		36.2		2.620				
Loudoun Quarry Herndon	05_9011_Q	23070 Shaw Rd	Sterling, VA 20166	2/16	Db.(Tr.)	2.98	0.4		14.2		2.970				
Luck Stone Corporation Bealton	05_7052_Q	11603 Luck Stone Rd	Bealton, VA 22712	12/19	Db.	3.00	0.5		13.0		2.980				
Luck Stone Corporation Boscobel	05_4001_Q	485 Quarry Drive	Manakin-Sabot, VA 23103	12/18	Gn.& Gr.	2.60	0.7		28.2		2.586				
Luck Stone Corporation Bull Run	05_9003_Q	27672 Gum Springs Rd	Chantilly, VA 20152	10/19	Db. (TR.)	2.93	0.8		13.6		2.910				
Luck Stone Corporation Burkeville, VA	05_4002_Q	500 Ronnie Armes Way	Burkeville, VA 22922	11/18	Am.Gn.& Gr	2.71	0.7		43.0		2.689				
Luck Stone Corporation Caroline, VA	05_6014_Q	19380 Richmond Turnpike	Milford, VA 22514	11/18	Qz.	2.63	0.3	35.9			2.622				
Luck Stone Corporation Charlottesville	05_7005_Q	2981 Richmond Road	Charlottesville, VA 22902	4/14	Gs	2.92	0.5		12.7		2.910				
Luck Stone Corporation Culpeper	05_7006_Q	18244 Germanna Highway	Stevensburg, VA 22741	5/16	Sis.	2.75	0.6		10.4		2.730				
Luck Stone Corporation Eden Quarry Cascade	05_3060_Q	101 Solite Drive	Cascade, VA 24069	11/19		2.69	0.9		17.3		2.670				
Luck Stone Corporation Fairfax	05_9007_Q	15717 Lee Highway	Centreville, VA 20122	6/19	Db.(Tr.)	2.94	0.8		12.6		2.920				
Luck Stone Corporation Goose Creek, VA	05_9020_Q	42708 Cochran Mill Rd	Leesburg, VA 20175	5/16	Db.(Gr.)	2.94	0.8		9.7		2.910				
Luck Stone Corporation Greene	05_7043_Q	221 Luck Stone Rd	Ruckersville, VA 22968	2/19	Gn. & Gr.	2.81	0.7		23.4		2.790				
Luck Stone Corporation Leesburg, VA	05_9010_Q	20210 Luck Lane	Ashburn, VA 20147	2/16	Db.(Tr.)	2.97	0.7		14.5		2.940				
Luck Stone Corporation Mt. Airy, NC	05_2003_Q	525 Quarry Rd	Mt. Airy, NC 27030	2019	Gn.	2.78	0.5		26.8		2.760				
Luck Stone Corporation Powhatan, VA	05_4045_Q	1920 Anderson Highway	Powhatan, VA 23139	10/21	Am.Gn.& Mmp.Gr.	2.72	0.6		17.6		2.705				

Luck Stone Corporation Prince Edward	05_3063_Q	11779 Prince Edward Hwy	Farmville, VA 23901	10/17		2.74	0.5		31.6		2.725				
Luck Stone Corporation Rivanna	05_7072_Q	2430 Rio Mills Rd	Earlysville, VA 22936	1/18		2.62	0.8		35.9		2.660				
Luck Stone Corporation Rockville, VA	05_4011_Q	2115 Ashland Road	Rockville, VA 23146	7/17	Qzi.& Gn.(Mmp)	2.65	0.3		17.2		2.641				
Luck Stone Corporation South Richmond, VA	05_4021_Q	2100 Deepwater Terminal Rd	Richmond, VA 23234	12/18	Am, Bi., Gn. & Gr.	2.77	0.7		36.3		2.751				
Luck Stone Corporation Spotsylvania, VA	05_6040_Q	9100 Luck Stone Lane	Fredericksburg, VA 22407	3/20	Gr.	2.76	0.4		38.8		2.754				
Martin Marietta Aggregates Amelia, VA	05_4103_Q	12301 Patrick Henry Highway	Amelia Courthouse, VA 23002	10/19	Gn. & Gr.	2.88	1.0		38.3		2.850				
Martin Marietta Aggregates Anderson Creek	05_4054_Q	1940 Ashland Road	Rockville, VA 23146	5/16		2.72	0.4		14.9		2.711				
Martin Marietta Aggregates Doswell, VA	05_4008_Q	12068 Stone Quarry Road	Doswell, VA 23407	11/17		2.76	0.5		16.4		2.744				
Martin Marietta Aggregates Harlan, KY	05_1118_Q		Harlan, Kentucky	6/21		2.70	0.6		23.4		2.688				
Martin Marietta Aggregates Warbro Road	05_4046_Q	3636 Warbro Road	Midlothian, VA 23113	10/21	Am.Gn.& Gr	2.70	0.5		30.0		2.686				
Martin Marietta Aggregates Red Hill Plant	05_7017_Q	2625 Red Hill Rd	North Garden, VA 22959	2/19	Gr.	2.80	0.5		20.4		2.790				
Maymead Lime Co Mountain City, TN	05_1044_Q	1995 Roan Creek Rd	Mountain City, TN 37683	9/20	Gr.	2.69	0.5	25.8	28.0		2.680				

Mountain Aggregates Burdine, KY	05_1003_Q	12536 Hwy 805	Burdine, KY 41517	2016	Ls.	2.69	0.7	20.4	23.6		2.660				
Mountain Aggregates Elkhorn City, KY	05_1063_Q	2373 Elkhorn Creek Rd	Elkhorn City, KY 41522	6/26	Ls.	2.69	0.6		24.7		2.677				
Mountain Materials Glade Spring, VA	05_1066_Q	14196 Monroe Rd	Glad, VA 24319	3/18	Ls.	2.77	0.2	18.0	17.3		2.762				
Powell Valley Stone Dot, VA	05_1048_Q	Rt 58	DOT, VA 24243	2019	Ls.	2.67	0.9	22.7	18.9		2.689				
Stuart M. Perry, Inc Berryville	05_8020_Q	426 Quarry Rd	Berryville, VA 22611	2019	Ls	2.85	0.3		16.4		2.840		0.4		
Stuart M. Perry, Inc Winchester	05_8021_Q	117 Limestone Lane	Winchester, VA	2019	Ls	2.73	0.2		17.0		2.722		0.4		
RBS Inc. Greystone Lewisburg WV	05_8097_Q	2790 Unus Rd	Lewisburg, WV 24901	2022	Ls.	2.72	0.36		20.1		2.71		1.4		
Rockbridge Stone Glasgow VA	05_8013_Q	1024 Lone Jack Rd	Glasgow, VA 24555	2023	Ls.	2.82	0.3		17.1		2.815		1.2		
Rockbridge Stone Stuarts Draft VA	05_8076_Q	1526 Cold Springs Rd	Stuarts Draft, VA 24477	2023	Rv. Gvl.	2.52	1.9		38.3		2.473		3.1		
Rockbridge Stone Monterey, VA	05_8087_Q	883 White Run Rd	Monterey, VA 24465	2020	Ls.	2.68	0.6		27.3		2.670		12.8		
Rockydale Quarries Appomattox	05_3001_Q	143 Quarry Rd	Appomattox, VA 24522	2017	Do. Ma.	2.84	0.3		32.7		2.830				
Rockydale Quarries Broadway	05_8007_Q	11261 Turleytown Rd	Linville, VA 22834	2019	Ls	2.80	0.4		16.6		2.790		2.5		
Rockydale Quarries Staunton	05_8057_Q	251 National Avenue	Staunton, VA 24401	2023	Ls	2.79	0.5		16.4		2.780		0.7		
Rockydale Quarries Forestville	05_8006_Q	477 Limestone Rd	Quicksburg, VA 22847	2021	Ls.	2.72	0.4		21.8		2.706		0.7		
Rockydale Quarries Roanoke	05_2015_Q	4754 Old Rocky Mount Rd	Roanoke, VA 24014	2019	Ls. & Do.	2.82	0.6		17.1		2.810				
Rockydale Quarries Gladehill	05_2065_Q	1535 Jack's Crk Rd	Glad Hill, VA 24092	2020	Am.	3.08	0.4		17.5		3.070				
Salem Stone Corp Blacksburg	05_2059_Q	677 Jennelle Rd	Blacksburg, VA 24060	2019	Ls. & Do	2.82	0.6		23.6		2.810				
Salem Stone Corp Dublin	05_2044_Q	5822 Wilderness Rd	Dublin, VA 24084	2019	Ls.	2.75	0.5		17.1		2.730				
Salem Stone Corp Floyd	05_2076_Q	1349 Shooting Creek Rd	Floyd, VA 24091	2019	Am.	2.96	1.0		34.6		2.930				

Salem Stone Corp Rocky Gap, VA	05_1023_Q	707 Quarry Dr.	Rocky Gap, VA 24366	3/18	Ls.	2.72	0.3		22.7		2.711				
Salem Stone Corp Shawsville	05_2047_Q	5441 Roanoke Rd	Shawsville, VA 24162	2019	Ls. & Do.	2.81	0.5		18.4		2.800				
Salem Stone Corp Sylvatus	05_1062_Q	456 Wysor Hwy	Hillsville, VA 24343	2019	Qzi.	2.69	1.0	19.5	13.6		2.665				
Shenandoah Stone Vesuvius	05_8074_Q	5047 Cold Springs Rd	Raphine, VA 24472	2023	Rv. Gvl.	2.61	0.8		33.6		2.585		1.6		
Southside Materials Drake's Branch, VA	05_3055_Q	301 Sunrise Ln	Charlotte Court House, VA	2/17	Gn.	2.68	0.7		29.2		2.660				
Southside Materials Shelton, NC	05_3009_Q	1524 Rock Quarry Rd	Pelham, NC 27311	2017	Gn. & Gr.	2.63	0.4		23.6		2.620				
Southside Materials South Boston, VA	05_3010_Q	360 East	South Boston, VA 24592	2017	Gr.	2.76	0.6		21.5		2.740				
Specialty Granules Blue Ridge Summit, PA	05_8098_Q	1455 Old Waynesboro Rd	Summit, PA 17214	2022	B.	2.95	1.3		15.6		2.940		1.3		
Sunrock, Kittrell Quarry, NC	05-4104-Q	214 Sunrock Road,	Kittrell, NC	10/2021		2.45	0.5		38.0		2.436				
Titan Branchville, VA	05_5093_Q	12390 Whitehead Rd	Branchville, VA 23838	2/2021	Gvl.	2.62	0.5		38.4		2.607				
Vulcan Materials Bristol, TN	05_1076_Q	1516 Highway 11W	Bristol, TN 37620	3/21	Ls.	2.72	0.5		20.0		2.708				
Vulcan Materials Co. Frederick, MD	05_5087_Q		Frederick, MD 21701	10/21		2.71	0.3		23.0		2.706				
Vulcan Materials Co. Dale - Chester, VA	05_4015_Q	11520 Iron Bridge Rd.	Chester, VA 23831	1/19	Bi. Gn. & Gr.	2.63	0.4		34.4		2.619				
Vulcan Materials Co. Garrisonville, VA	05_6012_Q	Vulcan Quarry Rd.	Garrisonville, VA 22463	7/19	Gr.	2.92	0.5	16.4			2.900				
Vulcan Materials Co. Hanover, PA	05_7065_Q	875 Oxford Ave	Hanover, PA 17331	4/13		2.80	0.5		30.1		2.790				
Vulcan Materials Co. Havre de Grace, MD	05_5016_Q	938 Quarry Rd	Havre de Grace, MD 21078	3/21	Tr.	2.89	0.4		16.1		2.875				
Vulcan Materials Co. Henderson, NC	05_4049_Q	696 Greystone Rd.	Henderson, NC 27536	2/20		2.63	0.5		37.0		2.616				
Vulcan Materials Co. Hylas, VA	05_4027_Q	4060 Quarry Hill Lane	Rockville, VA 23146	11/23	Mmp.Gr.& Phy	2.70	0.6		15.8		2.680		1.1		
Vulcan Materials Co. Jack - Petersburg, VA	05_4016_Q	23308 Cox Rd.	Petersburg, VA 23803	10/21	Bi. Gn.& Gr.	2.63	0.6		23.9		2.614				

Vulcan Materials Co. Kingsport, TN	05_1035_Q	400 Deneen Lane	Kingsport, TN 37660	3/21	Ls.	2.74	0.4		19.0		2.725				
Vulcan Materials Co. Manassas, VA	05_9022_Q	8537 Vulcan Lane	Manassas, VA 20108	1/14	Db. (Tr.)	2.80	0.9		11.5		2.800				
Vulcan Materials Co. Norton, VA	05_1093_Q	6421 Powell Valley Rd	Big Stone Gap, VA 24219	3/21	Ls.	2.72	0.4		18.1		2.706				
Vulcan Materials Co. Graham VA	05_9023_Q	10000 Ox Road	Occoquan, VA 22079	4/17	Gn. & Gr.	2.67	0.5		26.0		2.660				
Vulcan Materials Co. Puddledock,	05_4018_Q	4120 Puddledock Rd.	Prince George, VA 23875	7/15	Qz. Gvl.	2.59	0.7		32.0		2.570				
Vulcan Materials Co. Skippers, VA	05_5004_Q	1459 Quarry Rd	Skippers, VA 23879	2/21	Gr.	2.68	0.6		16.4		2.661				
Vulcan Materials Co. Staunton, VA	05_8071_Q	327 Luck Stone Rd	Staunton, VA 24401	2022	Ls.	2.726	0.2		20.8		2.720		1.3		
Vulcan Materials Co. Union Level, VA	05_4052_Q	1261 Skyline Rd.	South Hill, VA 23970	7/23		2.64	0.8		37.9		2.618		5.8		
Vulcan Materials Co. Tazewell, TN	05_1115_Q	Cedar Fork Rd	Tazewell, TN 37879	2018	Ls.	2.72	0.4		21.6		2.708				
Vulcan Materials Co. Warrenton, VA	05_7015_Q	5485 Afton Lane	Warrenton, VA 20187	5/16	Db.(Tr.)	2.92	1.2		13.1		2.890				
Wythe Stone Co. Wytheville, VA	05_1082_Q	2377 Atkins Mill Road	Wytheville, VA 24382	5/20	Ls.	#####	0.3	22.7	18.7		2.792				
York Building Supply	05_5086_Q		York, PA	9/21		2.74	0.4		34.3		2.731				
206 LIGHTWEIGHT AGGREGATE DATA															
Manufacturer	List # Plant Code_Quarry	Street Address	Location	Date Test Performed	Agg. Class	SSD Sp Gr	Abs	LA Loss A	LA Loss B	LA Loss C	Dry Bulk Sp Gr	F.M.	Sound ness	% Void	Sand Equiv
Carolina Stalite Co Gold Hill, NC	05_2069_Q	16815 Old Beatty Ford Rd	Gold Hill, NC 28071		Sl.	1.50	5.4		27.0						

Carolina Stalite Co Aquadale, NC	05_2070_Q	12423 Old Aquadale Rd	Norwood, NC 28128		SI.	1.50	5.4			29.7					
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(6) AGRICULTURAL LIMING MATERIALS - Chemistry Lab

To be included on List 6, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.21 and meet Road and Bridge Sec. 240 and 244.02e.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Type of Lime	Street Address	Location	Cal Carb Equiv % (CCE)	Percent Passing 20 Mesh Screen	Percent Passing 60 Mesh Screen	Percent Passing 100 Mesh Screen	Notes
Greer Hydrated Lime	Greer Lime Company	HYDRATED LIME	570 Canyon Road	Morgantown, WV 26507	125	100	100	98	
Chemical Hydrated Lime	Lhoist North America	HYDRATED LIME	2093 Big Stony Creek Rd	Ripplemead, VA 24150	128	100	98	93	
Lee Double Strength Hydrate	Oldcastle Lawn & Garden	HYDRATED LIME	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	137	99	96	95	
Wood Ash (Southampton Location)	Dominion Virginia Electric and Power Co	IND. CO-PRODUCT	5000 Dominion Blvd	Glen Allen, VA 23060	50	96	95	93	
Wood Ash (Altavista Location)	Dominion Virginia Electric and Power Co	IND. CO-PRODUCT	5000 Dominion Blvd	Glen Allen, VA 23060	61	99	98	96	
GPB Fly Ash	Georgia Pacific LLC	IND. CO-PRODUCT	11795 Brookneal Hwy	Gladys, VA 24550	39.7	95.4	83.109	70.6	
GPB Bottom Ash	Georgia Pacific LLC	IND. CO-PRODUCT	11795 Brookneal Hwy	Gladys, VA 24550	37	69.2	23.9	14.8	
GPB Mixed Ash	Georgia Pacific LLC	IND. CO-PRODUCT	11795 Brookneal Hwy	Gladys, VA 24550	35.9	77.93	43.63	33.4	
Greifwood Ash Substandard Liming Material	Greif Packaging LLC	IND. CO-PRODUCT	861 Fiber Plant Rd	Riverville, VA 22737	50	76	63	51	
New Enterprise #18 Calcium Limestone	New Enterprise Stone & Lime Co. Inc	IND. CO-PRODUCT	3912 Brumbaugh Rd	New Enterprise, PA 16664	90.4	70	60	50	
Pro Pulverized (2) -dolomitic-lee (D)	Oldcastle Lawn & Garden	IND. CO-PRODUCT	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	103	99	72	54	
Ontario Hardwood Dry Kilns Liming Material	Ontario Hardwood Company Inc	IND. CO-PRODUCT	3828 Horseshoe Bend Rd	Keysville, VA 23947	87.11	98.72	92.5	81.6	
Cycleright	South Boston Energy LLC	IND. CO-PRODUCT	1225 Plywood Trail	South Boston, VA 24592	68	99	97	86	

UOSA Lime Solids	Upper Occoquan Sewage Authority	IND. CO-PRODUCT	14631 Compton Rd	Centreville, VA 20121	86.6	99.9	99.4	98.5	
Dregs	WestRock CP LLC (formerly named Rock Tenn)	IND. CO-PRODUCT	2401 King William Ave	West Point, VA 23181	90.1	97.4	97.2	97	
Dry Lime After Kiln	WestRock CP LLC (formerly named Rock Tenn)	IND. CO-PRODUCT	2401 King William Ave	West Point, VA 23181	125	98.5	97	96.6	Hydrated Lime
Grits	WestRock CP LLC (formerly named Rock Tenn)	IND. CO-PRODUCT	2401 King William Ave	West Point, VA 23181	98.3	69.5	41.3	30.4	
Mixed Dry Lime and Grits	WestRock CP LLC (formerly named Rock Tenn)	IND. CO-PRODUCT	2401 King William Ave	West Point, VA 23181	105	93.4	72.8	66.3	
Post-belt Press Lime Mud	WestRock CP LLC (formerly named Rock Tenn)	IND. CO-PRODUCT	2401 King William Ave	West Point, VA 23181	94.7	99.9	99.8	99.5	
Appomattox Lime	Appomattox Lime Company	AGG LIME-GROUND	143 Quarry Rd	Appomattox, VA 24522	90	90	50	40	
Austinville Ground Limestone-Bulk	Austinville Limestone Company	AGG LIME-GROUND	Newtown Church Rd	Austinville, VA 17408	94	90	50	35	
Pelletized Lawn Lime	Austinville Limestone Company	AGG LIME-GROUND	Newtown Church Rd	Austinville, VA 17408	99	95	80	70	
Pro Cal Pellets	Austinville Limestone Company	AGG LIME-GROUND	Newtown Church Rd	Austinville, VA 17408	99	95	80	70	
Garden Lime Pulverized	Austinville Limestone Company	AGG LIM-PULVERIZED	Newtown Church Rd	Austinville, VA 17408	96	95	80	70	
Bakers AG 18 Ground Lime	Baker Lime	AGG LIME-GROUND	320 North Baker Rd	York, PA 32202	105.6	90	60	50	
Bakers Premier Pellets	Baker Lime	AGG LIME-GROUND	320 North Baker Rd	York, PA 32202	105.6	100	85	75	
Bakers Commercial Pulverized Damp	Baker Lime	AGG LIM-PULVERIZED	320 North Baker Rd	York, PA 32202	100	100	85	75	
Abingdon Ground Agricultural Lime	Blue Water Industries	AGG LIME-GROUND	200 W. Forsyth St.	Abingdon, VA 40361	96	90	50	30	
Jobe's Organics Garden Lime	Easy Gardener, Inc.	AGG LIME-GROUND	1750 17th St	Paris, KY 40361	94	100	88	80	
Espoma Organic Garden Lime	Espoma Company, The	AGG LIME-GROUND	6 Epsoma Rd	Millville, NY 08332	93	100	88	80	
Frazier Ag-Lime (Elkton)	Frazier Quarry, Inc. (Elkton)	AGG LIME-GROUND	5967 Humes Run Rd	Elkton, VA 22827	92	95	65	60	
Frazier Ag-Lime (Harrisonburg)	Frazier Quarry, Inc. (Harrisonburg)	AGG LIME-GROUND	75 Waterman Dr	Harrisonburg, VA 22802	85	91	72	62	

Greer pulverized Ag-Lime	Greer Lime Company	AGG LIM-PULVERIZED	570 Canyon Road	Morgantown, WV	96	100	98	90	
CalMax Coarse 0-0-0	Harrell's, LLC.	AGG LIME-GROUND	5705 New Tampa Hwy	Lakeland, FL 33802	91	100	95	95	
CalMax Micro 0-0-0	Harrell's, LLC.	AGG LIME-GROUND	5705 New Tampa Hwy	Lakeland, FL 33802	91	100	95	95	
Simplot Partners TruLime (Standard)	J.R. Simplot Company	AGG LIME-GROUND	16777 Howland Rd	Lathrop, CA 83707	94	100	100	95	
Kentucky Green	Kentucky Fertilizer LLC	AGG LIME-GROUND	1402 West Main St	Winchester, KY 40203	92	99	93	73	
Pelletized Dolomitic Limestone	Kirby Agri Incorporated	AGG LIME-GROUND	1020 Millersville Rd	Lancaster, PA 17606	93	98	80	75	
Medford AgLime	Martin Marietta	AGG LIME-GROUND	10000 Beaver Dam Rd	Cockeysville, MD 21030	85	90	50	30	
Texas AgLime	Martin Marietta	AGG LIME-GROUND	10000 Beaver Dam Rd	Cockeysville, MD 21030	85	90	83	33	
New Enterprise #18 Magnesium Limestone	New Enterprise Stone & Lime Co. Inc.	AGG LIME-GROUND	3912 Brumbaugh Rd	New Enterprise, PA 16664	90	90	60	50	
New Enterprise Ag-16 Low Moisture Damp Lime	New Enterprise Stone & Lime Co. Inc.	AGG LIME-GROUND	3912 Brumbaugh Rd	New Enterprise, PA 16664	105	90	72	67	
New Enterprise Calcium Limestone	New Enterprise Stone & Lime Co. Inc.	AGG LIME-GROUND	3912 Brumbaugh Rd	New Enterprise, PA 16664	90.4	98	70	65	
New Enterprise Magnesium Limestone	New Enterprise Stone & Lime Co. Inc.	AGG LIME-GROUND	3912 Brumbaugh Rd	New Enterprise, PA 16664	103.5	98	80	75	
Pelleted Lime	Nutrien AG Solutions, Inc.	AGG LIME-GROUND	256 Old Brunerstown Rd	Shelbyville, KY 40065	90	98	98	42.4	
WRC Mg- Lime	Old Line Environmental, Inc.	AGG LIME-GROUND	33 Stahl Ploint RdBldg 6A	Curtis Bay, MD 21226	85	92	82	78	
WRC Mg- Lime-Plus	Old Line Environmental, Inc.	AGG LIME-GROUND	33 Stahl Ploint RdBldg 6A	Curtis Bay, MD 21226	85	92	82	78	
Cal Turf Micro-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95	100	80	70	
Cal Turf Pro-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95.8	100	80	70	
Calcitic Micro Pellets-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95.8	100	85	82	
Calcitic Pro Pellets-tho	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97.1	100	88	80	
Calcitic Pro Pellets (2)-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95.8	100	88	80	

Calcitic Pro Pulverized (2)-tho/cht	Oldcastle Lawn & Garden Inc.	AGG LIM-PULVERIZED	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	99.6	100	86	80	
Mag Turf Micro-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102	100	80	70	
Mag Turf Pro-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102	100	80	70	
Mag Turf Pro-lee	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102.9	100	88	80	
Mag Turf Pro (2)-lee	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95	99	70	50	
Micro Select Dolomitic Pellets-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	96.9	99	85	75	
Micro Select Pellets (1)-calcitic-tho (C)	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97	100	85	82	
Micro Select Pellets (2)-dolomitic-cas	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	98.7	99	70	50	
Micro Select Pellets (3)-dolomitic-lee	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	100	100	88	80	
Pro Granular-calcitic	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	96	92	50	40	
Pro Pulverized (1) -dolomitic-tho	Oldcastle Lawn & Garden Inc.	AGG LIM-PULVERIZED	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95	100	88	80	
Pro Pulverized (2) -dolomitic-lee	Oldcastle Lawn & Garden Inc.	AGG LIM-PULVERIZED	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	103	99	72	54	
Pro Pulverized Dolomitic 102.9%	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95	95	50	35	
Pro Pulverized Dolomitic 96.9%	Oldcastle Lawn & Garden Inc.	AGG LIM-PULVERIZED	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102.9	100	88	80	
Pro Select Dolomitic Pellets 102.9%	Oldcastle Lawn & Garden Inc.	AGG LIM-PULVERIZED	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	96.9	99	85	75	
Pro Select Dolomitic Pellets 96.9%	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102.9	100	88	80	
Pro Select Dolomitic Pellets	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	96.9	99	85	75	
Pro Select Pellets (1)-cht-calcitic	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	94	100	90	86	
Pro Select Pellets (2)-cas-dolomitic	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	99.7	99	70	50	
Pro Select Pellets (3) -dolomitic-lee	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	98.3	100	88	80	

Pro Select Pellets (4) - dolomitic-tho	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102	98	72	54	
SD EZ Spread Granular Cal	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	96	92	50	40	
SD Pelletized Lawnlime – Dol-lee	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95	99	70	50	
Soil Doctor EZ Spread Granular	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95	95	50	33	
Soil Doctor Gardenlime - calcitic-tho	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	99.6	100	88	80	
Soil Doctor GardenLime-Dolomitic	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102.9	100	88	80	
Soil Doctor Gardenlime (D)-lee	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95.00 95.00	100	88	80	
Soil Doctor Lawnlime (2) dolomitic-cas (D)	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	99.7	99	70	50	
Soil Doctor Lawnlime (3) -cht	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97.8	100	88	80	
Soil Doctor Lawnlime (4) - calcitic-tho	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97.9	100	88	80	
Soil Doctor Lawnlime (5) - calcitic-car	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	92	95	85	70	
Soil Doctor Lawnlime – Calcitic	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	95.8	100	88	80	
Soil Doctor Lawnlime-102.9% Dolomitic	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	102.9	100	88	80	
Soil Doctor Lawnlime- 96.9% Dolomitic	Oldcastle Lawn & Garden Inc.	AGG LIME-GROUND	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	96.9	99	85	75	
Soil Doctor Pulverized Gardenlime-calcitic-cht (C) (C)	Oldcastle Lawn & Garden Inc.	AGG LIM-PULVERIZED	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	96.9	100	88	80	
Ground Agricultural Dolomitic Limestone-Bagged	Rockydale Quarries Corp.	AGG LIME-GROUND	2343 Highland Farm Rd	Roanoke, VA 24017	94	90	50	35	
Ground Agricultural Dolomitic Limestone-Bulk - baggedBagged	Rockydale Quarries Corp.	AGG LIME-GROUND	2343 Highland Farm Rd	Roanoke, VA 24017	94	90	50	35	
Mundy's High Mag Ground Limestone	Rockydale/Mundy Quarries	AGG LIME-GROUND	2343 Highland Farm Rd	Linville, VA 22834	85	90	50	30	

ACCO Ground Limestone	Salem Stone Corporation	AGG LIME-GROUND	677 Jennell Rd	Blacksburg, VA 24073	85	90	50	35	
Sisson & Ryan Agri. Ground Limestone - Bulk	Sisson & Ryan Quarry, LLC	AGG LIME-GROUND	6475 Roanoke Rd	Shawsville, VA 24162	85	90	65	50	
Southern States Calcitic Pelleted Limestone	Southern States Cooperative	AGG LIME-GROUND	C/O Registrations by Design	Salem, VA 24153	91	100	88	88	
Southern States Dolomitic Pelleted Limestone (A)	Southern States Cooperative	AGG LIME-GROUND	C/O Registrations by Design	Salem, VA 24153	95	95	72	54	
Southern States Dolomitic Pelleted Limestone (C)	Southern States Cooperative	AGG LIME-GROUND	C/O Registrations by Design	Salem, VA 24153	97.6	100	88	80	
Staunton Ground Agricultural Lime	Staunton Lime Company	AGG LIME-GROUND	251 National Ave	Staunton, VA 24401	98	90	50	30	
Agricultural Pelletized Limestone	Stuart M Perry Inc.	AGG LIME-GROUND	117 Limestone Lane	Winchester, VA 22602	90	95	60	60	
High Mag Ground Limestone	Stuart M Perry Inc.	AGG LIME-GROUND	117 Limestone Lane	Winchester, VA 22602	90	95	80	70	
Pulverized Limestone	Stuart M Perry Inc.	AGG LIM-PULVERIZED	117 Limestone Lane	Winchester, VA 22602	85	100	96	87	
Sunbright Lime	Sunbright Land Company LLC	AGG LIME-GROUND		Duffield, VA 24244	93.3	96.7	96.1	95.6	
Young Mine New Market TN Dolomite AG Lime	Tennessee Valley Resources	AGG LIME-GROUND	1389 Flat Gap Rd	Jefferson City, TN 37760	95	90	50	35	
AMPXC Calcitic Limestone	Turf Care Supply Corp	AGG LIME-GROUND	50 Pearl Rd 200	Brunswick. OH 44212	90	99.9	85	82	
TCS Cal-Star Limestone	Turf Care Supply Corp	AGG LIME-GROUND	50 Pearl Rd 200	Brunswick. OH 44212	90	99.9	85	82	
Hi-Yield Agricultural Limestone	Voluntary Purchasing Groups Inc.	AGG LIME-GROUND	230 FM 87	Bonham, TX 75418	109.03	95	60	50	Substandard industrial co-products
Hi-Yield Horticultural Limestone	Voluntary Purchasing Groups Inc.	AGG LIME-GROUND	230 FM 87	Bonham, TX 75418	131	100	99.25	99	<u>Industrial co-products can be used but a CCE adjustment to 100% will be required. For example co-product that has a CCE of 50% will require two tons to be applied and the contractor will be paid for one ton of Agricultural Lime.</u>

Hanover Agri Lime	Vulcan Construction Materials, LP.	AGG LIME-GROUND	875 Oxford Ave	Hanover, PA 17331	98	95	90	75	<u>Currently VDOT does not use industrial co-products unless they are included in the specifications for a process and the product cost will be included in the price for the pay item for the process.</u>
Hanover Agri-Cal Lime	Vulcan Construction Materials, LP.	AGG LIME-GROUND	875 Oxford Ave	Hanover, PA 17331	93	95	90	75	
Hanover Hi-Mag Lime	Vulcan Construction Materials, LP.	AGG LIME-GROUND	875 Oxford Ave	Hanover, PA 17331	102	98	95	75	
Waukesha Farm & Lawn Lime	Waukesha Lime & Stone	AGG LIME-GROUND	W233N507 Redford Blvd	Waukesha, WI 53189	102	90	60	50	
Weaver's Pellet Lawnlime (D)	Winston Weaver Company Inc	AGG LIME-GROUND	4440 Cherry St	Winston Salem, NC 27101	97.6	100	88	80	
Pennington Fast Acting Lime Plus AST	Central Pet and Garden	LIME	2030 Powers Ferry Rd	Atlanta, GA 30339	90	90	50	40	
Fast Acting Lime Plus AST	Encap LLC	LIME	320 N Broadway Suite 340	Greenbay, WI 54303	92.5	100	93	93	
EC+ Enhanced Calcium Nutrient Booster	Ferti Technologies	LIME	C/O Registrations by Design	Salem, VA 24153	95	100	95	95	
Greenyard Crabgrass Preventer with 0.125% Dimersion	Growmark Inc	LIME	205 1st Ave SW	Le Mars, IA 51031	85	100	95	95	
Verde-Cal	Aqua-Aid, Inc.	FAST ACTING LIME	5484 South Old Carriage Rd	Rocky Mount, NC 27803	91	100	98	95	
Verde-Lawn	Aqua-Aid, Inc.	FAST ACTING LIME	5484 South Old Carriage Rd	Rocky Mount, NC 27803	91	100	98	95	
Verda Lawn Hydro	Aqua-Aid, Inc.	FAST ACTING LIME	5484 South Old Carriage Rd	Rocky Mount, NC 27803	91	100	98	95	
Lime Lite Fast Acting Pelletized Lime	Austinville Limestone Company	FAST ACTING LIME	Newtown Church Rd	Austinville, VA 17408	99	100	98	95	
LimeLite Pro Cal	Austinville Limestone Company	FAST ACTING LIME	Newtown Church Rd	Austinville, VA 17408	96	100	98	95	
Color Me Pink Pelletized Lime	Bailey Nurseries Inc.	FAST ACTING LIME	1325 Bailey Rd	St. Paul, MN 55119	90.41	99	99	95	
Bonide Dura Turf Turbo High Efficiency Lime	Bonide Products Incorporate	FAST ACTING LIME	6301 Sutliff Rd	Oriskany, NY 13424	91	100	95	95	

Fast Acting Lime	Encap LLC	FAST ACTING LIME	320 N BroadwaySuite 340	Greenbay, WI 54303	94	99	85	70	Soil Amendments
Espoma Organic Lightning Lime	Espoma Company, The	FAST ACTING LIME	6 Epsoma Rd	Millville, NJ 08332	91	100	95	95	
Earthbox All Natural Dolomite	Novelty Manufacturing Co	FAST ACTING LIME	1330 Loop Rd	Lancaster, PA 17601	98.1	100	98	93	
Green N Grow Fast Acting Lime (New) Calcitic	Oldcastle Lawn & Garden	FAST ACTING LIME	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97	100	85	82	
Green N Grow Fast Acting Lime (New) Dolomitic	Oldcastle Lawn & Garden	FAST ACTING LIME	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97	100	85	82	
Jolly Gardener Fast Acting Lime (Calcitic New) (1)	Oldcastle Lawn & Garden	FAST ACTING LIME	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97	100	85	82	
Jolly Gardener Fast Acting Lime (Dolomitic New)	Oldcastle Lawn & Garden	FAST ACTING LIME	400 Perimeter Ctr Terrace Ste 1000	Atlanta, GA 30328	97	100	85	82	
Plant's Choice Rapid Lime Enhanced Calcitic Lime	PLANT'S CHOICE INC	FAST ACTING LIME	24 Pattersons Brk Rd	West Wareham, MA 02576	91	100	95	95	
Hydro-Cal Dry	Solu-Cal USA LTD	FAST ACTING LIME	81 Charlotte Furnace Rd	West Wareham, MA 02576	94.5	100		100	
Solu-Cal Enhanced Calcitic Lime	Solu-Cal USA LTD	FAST ACTING LIME	81 Charlotte Furnace Rd	West Wareham, MA 02576	91	100	95	95	Soil Amendments
Solu-Cal with Cavalcade 0.37%	Solu-Cal USA LTD	FAST ACTING LIME	81 Charlotte Furnace Rd	West Wareham, MA 02576	91	100	95	95	Soil Amendments
Harrell's CalMax	Solu-Cal USA LTD	FAST ACTING LIME	81 Charlotte Furnace Rd	West Wareham, MA 02576	91	100	95	95	
Burpee Natural Quick Action GardenLime	Solu-Cal USA LTD	FAST ACTING LIME	81 Charlotte Furnace Rd	West Wareham, MA 02576	96.6	100	95	95	
Solu-Lime	Southern States Cooperative	FAST ACTING LIME	C/O Registrations by Design	Salem, VA	91	100	95	95	
Landscapers Select Rapid Release Lime	Turf Care Supply Corp	FAST ACTING LIME	50 Pearl Rd 200	Brunswick. OH	90	100	85	70	
Landscapers Select Rapid Release Lime W/AMP-XC	Turf Care Supply Corp	FAST ACTING LIME	50 Pearl Rd 200	Brunswick. OH	90	100	85	70	

(7) ANTISTRIPPING ADDITIVES - Asphalt Lab

To be included on List 7, the Manufacturer shall follow the requirements of VTM-13 and Road and Bridge Sec. 211.02(h).

<https://www.virginiadot.org/business/resources/Materials/bu-mat-VTMs.pdf>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

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Product	Manufacturer	Street Address	Location	Notes
Kling Beta2550-(HM)	Nouryon	131 S. Dearborn St. Ste 1000	Chicago, IL 60603	
Kling Beta 2914	Nouryon	131 S. Dearborn St. Ste 1000	Chicago, IL 60603	
Perma Tac Plus	Nouryon	131 S. Dearborn St. Ste 1000	Chicago, IL 60603	
Rediset LQ 1102C	Nouryon	131 S. Dearborn St. Ste 1000	Chicago, IL 60603	
Rediset LQ 1200	Nouryon	131 S. Dearborn St. Ste 1000	Chicago, IL 60603	
Wetfix 312	Nouryon	131 S. Dearborn St. Ste 1000	Chicago, IL 60603	
Wetfix G400	Nouryon	131 S. Dearborn St. Ste 1000	Chicago, IL 60603	Min dosage rate 0.5%
Ad-here 65-00	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ad-here LOF 6500 LS	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ad-here 66-01	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ad-here 62-40	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ad-here (Regular)	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ad-here 6265-1	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ad-here 77-00	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ad-here 65-50	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Rebind	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
ANOVA 1501	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Kohere AS-500	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	

Kohere AS-700	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Kohere AS-1000	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Kohere AT-1000	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	
Ultra TS	Arkema-Road Science	6502 S. Yale Ave. Ste 100	Tulsa, OK 74136	Min dosage: 0.3%
Anova 1599	Cargill Industrial Specialties	13400 15th Ave North, Ste B	Plymouth, MN 55441	0.3% min. dosage rate
TPH	Chemoran Ltd.	Deerpark Industrial Est	Oranmore, Galway Ireland	
Evotherm JI	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	
Evotherm MI	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	
Evotherm U3	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	
Morlife 3300	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	
Morlife 5000	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	
PC-2250	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	Min. dosage rate of 0.03%
PC-2616	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	Min dosage rate of 0.05%
Pave Bond T-lite	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	
Pave Bond LITE	Ingevity	4920 O'Hear Ave Ste 400	N Charleston, SC 29405	
Pavegrip 400	Pre Tech Industries	Dearborn Brook Circle	Exter, NH 38330	
Pavegrip AA-2	Pre Tech Industries	Dearborn Brook Circle	Exter, NH 38330	
Pavegrip 550	Pre Tech Industries	Dearborn Brook Circle	Exter, NH 38330	
Super Bond 96	Seaboard Asphalt Products Co	3601 Fairfield Road	Baltimore, MD 21226	
TS-43	Tri-State Sand	PO Box 9181	Gray, TN 37615	.3% min. dosage rate
TS-53	Tri-State Sand	PO Box 9181	Gray, TN 37615	.5% min. dosage rate
TS-9	Tri-State Sand	PO Box 9181	Gray, TN 37615	.3% min. dosage rate
LAS 100	Tri-State Sand	PO Box 9181	Gray, TN 37615	0.3% min. dosage rate
8162	Unichem International	12002 State Hwy 6	Santa Fe, TX 77510	
HPM	Unique Paving Materials	3993 E. 93rd Street	Cleveland, OH 44105	

Indulin AS-1	Westvaco Corp. Chemical Division	1206 Bently Road	Charleston, SC 29414	
Indulin AS-Special	Westvaco Corp. Chemical Division	1206 Bently Road	Charleston, SC 29414	
PC-705	Westvaco Corp. Chemical Division	1206 Bently Road	Charleston, SC 29414	
Zycotherm	Zydex Industries	106 Kitty Hawk Drive	Morrisville, NC 27560	.03% min dosage rate
Zycotherm EZ	Zydex Industries	106 Kitty Hawk Drive	Morrisville, NC 27560	.03% min dosage rate
Zycotherm SP	Zydex Industries	106 Kitty Hawk Drive	Morrisville, NC 27560	.03% min dosage rate
Zycotherm SP-2	Zydex Industries	106 Kitty Hawk Drive	Morrisville, NC 27560	.03% min dosage rate

(8) ASPHALT RELEASE AGENTS - Asphalt Lab

To be included on List 8, the Manufacturer shall follow the requirements of the Manual of Instructions Section 209.09 and meet Road and Bridge Sec. 315.03.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

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Product	Manufacturer	Street Address	Location	Max Dilution Rate by VDOT Agent:Water	Foaming (F) / Non Foaming (NF)
ALG-1	Algonquin Products	29 Russel Mill Road	Dartmouth, MA 02747	1:20	
No Tac	Asphalt & Wax Innovations	16880 Kapalama Drive	Pass Christian, MS 39571	9:1	
TBRA	Road Science ARR-MAZ Products	6502 South Yale Ave	Tulsa, OK 74136	1:40	F
Slick	Arrow Magnolia Int'l	2646 Rodney Lane	Dallas, TX 75229	1:20	F
Super Slick	Arrow Magnolia Int'l	2646 Rodney Lane	Dallas, TX 75229	1:20	NF
Loose Juice Release Agent	BG Chemical, LP	2014 Euclid Ave	Dallas, TX 75206	1:50	
Bio-Clean	Bio-Clean Ind.	40 Cowels Street	Bridgeport, CT 06607	1:30	
Colonial Blue Blaze	Capital Janitorial Supply	504 Research Road	Richmond, VA 23236	1:20	F
Citrus Klaw	Certified Laboratories	P.O box 152170	Irving, TX 75017	Not diluted	
Westech CT-1440	Chem-Tech Solutions, INC.	427 Brook Street	Belmont, NC 28012	1:15	
3917	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	1:20	
2159	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	1:20	
2620	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	1:20	
2791	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	5:1	
2406	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	1:20	
2061-A	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	1:5	
8194	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	1:5	
8442	ChemStation of Virginia	5745 Chalres City Circle	Richmond, VA 23231	1:5	
PM-25	Chemical Technologies, LLC	26067 Groesbeck HWY	Warren, MI 48089	1:30	
PavePro	ChemTek Inc.	3005 Carrington Mill Blvd	Morrisville, NC 27560	1:15	
PavePro Blue	ChemTek Inc.	3005 Carrington Mill Blvd	Morrisville, NC 27560	1:30	F
CleanEdge 2217	CleanEdge	3121 Wilmarco Ave	Baltimore, MD 21223	6:1	
1475	CleanEdge	3121 Wilmarco Ave	Baltimore, MD 21223	1:20	
HD-5565	CleanEdge	3121 Wilmarco Ave	Baltimore, MD 21223	1:27	
6992	CleanEdge	3121 Wilmarco Ave	Baltimore, MD 21223	1:40	
Asphalt Release	Cleaning Systems, Inc	1997 American Blvd	De Pere, WI 54115	1:10	
BMF	Compound Technologies	70 Riverside Drive	Cartersville, GA 30120	1:18	F

SPX-7	Compound Technologies	70 Riverside Drive	Cartersville, GA 30120	1:5	F
No.1 Asphalt Release Agent	Compound Technologies	70 Riverside Drive	Cartersville, GA 30120	1:5	
Slip & Slide VOB	Engineering Chemistry Co.	913 Kanawha Trail	Covington, VA 24426	3:100	NF
Citra Slip	Express Chemical CO.	600 West Woodbine	Kirkwood, MO 63122	1:40	
FO Release	Fine Organics Corp	420 Kuller Rd	Clifton, NJ 70110	3:100	F
FO Release II	Fine Organics Corp	420 Kuller Rd	Clifton, NJ 70110	1:30	F
No Stick I	Foster and Company, Inc.	15 Wing Dr	Cedar Knolls, NJ 79270	1:10	NF
No Stick II	Foster and Company, Inc.	15 Wing Dr	Cedar Knolls, NJ 79270	1:10	NF
Slipcoat-IRC	Global Barrier Services	1001 Avendia Pico, Ste C43	San Celemete, CA 92673	1:20	NF
Popcorn Buster	Industrial Chem Solutions	2770 Main St. Ste 230	Frisco, TX 75033	Not Diluted	
Avalanche	Meyer Laboratory	3301A Woodpark Blvd	Charlotte, NC 28206	1:50	F
Slider	Meyer Laboratory	3301A Woodpark Blvd	Charlotte, NC 28206	1:10	
UltraSlider	Meyer Laboratory	3301A Woodpark Blvd	Charlotte, NC 28206	1:20	
NS-20	Momar Incorporated	1830 Ellsworth Industries Dr	NW Atlanta, GA 30318	1:40	
Quick Slick	New Life Chemical & Equipment	15 N Kings Rd	Greenville, SC 29605	1:50	
ESE-100	Neww Dawn Manufacturing	16001 Trade Zone Ave	Upper Marlboro, MD 20774	1:31	
0268 Economy Asphalt Release	Power Kleen	101 S Bayview Blvd	Old Smar, FL 34677	1:17	F
Super Slick	Power Kleen	101 S Bayview Blvd	Old Smar, FL 34677	1:17	F
Soap Asphalt Release 8595	Power Kleen	101 S Bayview Blvd	Old Smar, FL 34677	1:35	F
Eco Release	Pro Chem, Inc	1475 Bluegrass Lake Parkway	Alpharetta, GA 30004	1:15	
Formula 5110	Qualichem	2003 Salem Industrial Dr	Salem, VA 24153	3:100	NF
Formula 5111	Qualichem	2003 Salem Industrial Dr	Salem, VA 24153	1:100	F
Formula 5119	Qualichem	2003 Salem Industrial Dr	Salem, VA 24153	3:100	F
Q-Slide 554	Qualichem	2003 Salem Industrial Dr	Salem, VA 24153	1:5	
S-Slide 766	Qualichem	2003 Salem Industrial Dr	Salem, VA 24153		
Q-Slide 559	Qualichem	2003 Salem Industrial Dr	Salem, VA 24153		
Econopave 1000	R and D Asphalt Products	204 S. Main Street	Pleasant Hill, OH 45359	8:01	NF
Enviro-slide	Rhomar Industries, Inc	2107 E. Rockhurst St	Springfiled, MO 65802	1:3	
Bed Release Agent	Schaeffer Mfg. Co.	102 Barton St	ST Louis, MO 63104	1:30	NF
TrackSolv	SoySolv Biosolvents LLC	P.O. Box 470233	Cleveland, OH 44147	30:1	
Spartan SD-20 Cleaner	Spartan Chem. Co. Inc.	1110 Spartan Dr	Maumee, OH	1:30	F
TECLON-50	Tec-Team Industries, Inc	7151 OKelly Chapel Rd	Cary, NC	1:37	NF
Reclon-Pro	Tec-Team Industries, Inc	7151 OKelly Chapel Rd	Cary, NC	1:50	

Mega-Ton	TPC Team Industries Inc	500 Dallas St Ste 2000	Houston, TX 77002	1:53	
EZ008	Zep Manufacturing	3330 Cumberland Blvd	Atlanta, GA 30339	1:10	NF
E2008	Zep Manufacturing	3330 Cumberland Blvd	Atlanta, GA 30339	1:10	
R-6690	Zep Manufacturing	3330 Cumberland Blvd	Atlanta, GA 30339	1:55	
Zep Formula 4358	Zep Manufacturing	3330 Cumberland Blvd	Atlanta, GA 30339		F
Zep Pinnacle	Zep Manufacturing	3330 Cumberland Blvd	Atlanta, GA 30339	1:15	NF
Zep X-509	Zep Manufacturing	3330 Cumberland Blvd	Atlanta, GA 30339	1:50	

(9) ELECTRODE & FLUX-ELECTRODE COMBINATIONS - Structures Division

To be included on List 9, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.32(f) and meet Road and Bridge Sec. 226 and 229.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Structures Division".

**Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.

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Trade Name	Manufacturer	AWS Classification	AWS Spec	Application
ATOM Arc 7018-1	The ESAB Group, Inc.	E7018-1 H4-R	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
ATOM Arc 7018	The ESAB Group, Inc.	E7018 H4-R	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Core Weld C6	The ESAB Group, Inc.	E70C-6M	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Dual Shield 7100 Ultra	The ESAB Group, Inc.	E71T-M/T-12M	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Dual Shield R-70 Ultra	The ESAB Group, Inc.	E70T-1CH8/T-1M1 T-9CH8/T-9M	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
ATOM Arc Acclaim	The ESAB Group, Inc.	E7018 H4R	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Hobart 335A	Hobart Brothers, Co.	E6011	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Hobart 335C	Hobart Brothers, Co.	E6011	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Quantum ARC 6	Hobart Brothers, Co.	ER70S-6	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Fabco RXR	Hobart Brothers, Co.	E70T-1/9C, T55-2 T-11C, AH10	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Fabco TR70	Hobart Brothers, Co.	E70T 1 CH8, E70T-9 CH8	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
EXCEL-ARC 71	Hobart Brothers, Co.	E71T-1C/M, , E71T-9C/M T46-3 PC/M2 H10	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Formula XL550	Hobart Brothers, Co.	E71T-1C, E71T-12 C,JH8	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
TM71	Hobart Brothers, Co.	E71T-1C,E71T-12,CJH8		Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
TM 771	Hobart Brothers, Co.	E 71T-1C, E71T-12 CJH8	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
TM 95K	Hobart Brothers, Co.	E90T5-K2CH4, E90T5-K2M-H4	A5.29	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel

Fabco XL-525	Hobart Brothers, Co.	E71-TIMJ H8, E7IT-9MJ H8, E71T-12MJ H8	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Easy-Arc 6011C	The Lincoln Electric, Co.	E 6011	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Easy-Arc 7018MR	The Lincoln Electric, Co.	E7018-H4R, E7018	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Excalibur 7018 MR	The Lincoln Electric, Co.	E7018-H4-R	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Fleetweld 5P	The Lincoln Electric, Co.	E6010	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Fleetweld 5P+	The Lincoln Electric, Co.	E6010	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Jet LH 78 MR	The Lincoln Electric, Co.	E7018-H4R, E7018	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Jetweld LH 70	The Lincoln Electric, Co.	E7018-H4R, E7018	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Lincolnweld 761(761-Pipe) Flux/L-61 Electrode	The Lincoln Electric, Co.	F7A2-EM12K-H8	A5.17	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Lincolnweld 780 Flux/L61 Electrode	The Lincoln Electric, Co.	F7A2 EM12K-H8)	A5.17	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Lincolnweld 960 Flux/L61 Electrode	The Lincoln Electric, Co.	F7A2-EM12K-H8	A5.17	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Metalshield MC-710XL	The Lincoln Electric, Co.	E70C6M-H8, E70C-G-H8	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Outershield 70	The Lincoln Electric, Co.	E70T-1 CH16, E70T-9C H16	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Outershield 71M	The Lincoln Electric, Co.	E71T-1C, E71T-H16	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Super Arc L-50 Electrode	The Lincoln Electric, Co.	ER70S3	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Superarc L-56 Electrode	The Lincoln Electric, Co.	ER70S6	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Ultracore 71A85	The Lincoln Electric, Co.	E71T-1MH8, E71T-9MH8	A.520	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Ultracore 71C	The Lincoln Electric, Co.	E71T-1CH8, E71T-9CH8	A.520	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Murex 6011C	Murex Welding Products	E6011	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Murex 7018MR	Murex Welding Products	E7018-H4-R, E7018	A5.1	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel

Select 70C-3	Select Arc, Inc.	E70C-3M	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 70C-6 (75AR/25C02)	Select Arc, Inc.	E70C-6M	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 70C-6 (90AR/10C02)	Select Arc, Inc.	E70C-6M	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 70C-6 LS (75AR/25C02)	Select Arc, Inc.	E70C-6M	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 70C-6 LS (90AR/10C02)	Select Arc, Inc.	E70C-6M	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 70 C-T	Select Arc, Inc.	E70C-6M	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select ER705-3	Select Arc, Inc.	ER705-3	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select ER705-6	Select Arc, Inc.	ER705-6	A5.18	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 71	Select Arc, Inc.	E70T-1C,T-9C	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 97	Select Arc, Inc.	E70T-1C,T-9C	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 70TR	Select Arc, Inc.	E70T-1C,T-9C	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 720HP	Select Arc, Inc.	E71T-12MJ	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 720	Select Arc, Inc.	E71T-1M,T-1MJ, T-9M, T-9MJ	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 720	Select Arc, Inc.	E71T-1C, T-1CJ, T-9C,T-9CJ,T-12C,T-12CJ	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 727	Select Arc, Inc.	E71T-1M, T-1MJ, T-9M, T-9MJ	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Select 727	Select Arc, Inc.	E71T-1C, T-1CJ, T-9C, T-9CJ, T-12CT-12CJ	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Encore	Select Arc, Inc.	E71T-1M,T-9M	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
Encore	Select Arc, Inc.	E71T-1C, T-9C	A5.20	Filler Metal For M270M (M270) A709M (A709) GR. 36, 50, & Painted GR. 50W & 100W Steel
ATOM Arc 8018	ESAB Welding & Cutting Products	E8018-C3 H4-R	A5.5	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
ATOM Arc 9018	ESAB Welding & Cutting Products	E9018-MH4R		Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel

Dualshield 8100-W	ESAB Welding & Cutting Products	E81T1-W2C/W2M	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
AXXX 10 Flux/L61 Electrode	Lincoln Electric Co.	F7A4-EM12K-Nil -H8	A5.23	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Excalibur 8018-C3 MR	Lincoln Electric Co.	E8018-C3 H4R	A5.5	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Lincolnweld 860 Flux/LA-75 Electrode	Lincoln Electric Co.	F7A2-ENi 1K-Ni1-H8	A5.23	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Lincolnweld 960 Flux/LA-75 Electrode	Lincoln Electric Co.	F8A2-ENi1 K-Ni1-H8	A5.23	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
UltraCore 81Ni1A75-H	Lincoln Electric Co.	E81T1-Ni1MJH4	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
UltraCore 81Ni1C-H	Lincoln Electric Co.	E81T1-Ni1C-JH4	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 810-Nil	Select Arc, Inc.	E8171-NiMJ	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 810-Nil	Select Arc, Inc.	E81T1-Ni1CT	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 810-Ni2	Select Arc, Inc.	E81T1-Ni2M	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 810-Ni2	Select Arc, Inc.	E81T1-Ni2C	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 810-W	Select Arc, Inc.	E81T1-W2M	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 810-W	Select Arc, Inc.	E81T1-W2C	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 820-Ni1	Select Arc, Inc.	E81T1-Ni1MJ	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 820-Ni1	Select Arc, Inc.	E81T1-Ni1CJ	A5.29	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select 920-Ni1	Select Arc, Inc.	E91T1-6C	A5.23	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Select ENi15 (Lincoln 960 Flux)	Select Arc, Inc.	ECNi1	A5.23	Filler Metal For Exposed Bare Application Of M270M (M270) A709M (A709) GR 345W (50W) Steel
Atom Arc 8018	ESAB Welding & Cutting Products	E8018-C3 H4-R	A5.5	Filler metal for High Performance Steel HPS 70 W (HPS 485 W) Steel ONLY
Dualshield 8100-W	ESAB Welding & Cutting Products	E81T1-W2C/WM	A5.29	Filler metal for High Performance Steel HPS 70 W (HPS 485 W) Steel ONLY
TM 771	Hobart Brothers (Trimark)	E 71T-1C, E71T-12CJH8	A5.20	Filler metal for High Performance Steel HPS 70 W (HPS 485 W) Steel ONLY

Excalibur 8018-C3 MR	Lincoln Electric, Co.	E8018-C3 H4R	A5.5	Filler metal for High Performance Steel HPS 70 W (HPS 485 W) Steel ONLY
Excalibur 9018 M MR	Lincoln Electric, Co.	E9018 – H4-R, E9018 M	A5.5	Filler metal for High Performance Steel HPS 70 W (HPS 485 W) Steel ONLY
Lincolnweld Mil 800 HPNi1 Flux/LA-85 Electrode	Lincoln Electric, Co.	F9A4-ENi5-G-H2	A5.23	Filler metal for High Performance Steel HPS 70 W (HPS 485 W) Steel ONLY

(10) POWDERED EPOXY REBAR COATINGS - Physical Lab

To be included on List 10, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.15 and meet Road and Bridge Sec. 223.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

**Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.

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Product	Manufacturer	Street Address	Location
Aervoe 156 Green Rebar	Aervoe-Pacific Co, Inc	1100 Mark Circle	Gardnerville, NV 89410
Resicoat 500607	AKZO Powder Coatings	20 Culvert Street	Nashville, TN 37210
Resicoat 500620*	AKZO Powder Coatings	20 Culvert Street	Nashville, TN 37210
Resicoat RB-600 (HKF30R)	AKZO Powder Coatings	20 Culvert Street	Nashville, TN 37210
Interpon HD-34	AKZO Powder Coatings	20 Culvert Street	Nashville, TN 37210
Green HR046G	AKZO Powder Coatings	20 Culvert Street	Nashville, TN 37210
Green HK007U	AKZO Powder Coatings	20 Culvert Street	Nashville, TN 37210
720-A-009 Greenbar	Valspar	1136 Fayette Street	North Kansas City, MO 64116
Nap-Gard 7-2719	Dupont Powder Coating	9800 Genard Rd	Houston, TX 77041
Nap-Gard 7-2709	Dupont Powder Coating	9800 Genard Rd	Houston, TX 77041
Nap-Gard 7-2750	Dupont Powder Coating	9800 Genard Rd	Houston, TX 77041
ScotchKote 413	3M Co	3M Center	St. Paul, MN 55144
ERSS33252 PureFlex Green Powder	IFS Coatings	3601 I-35	Gainesville, TX 76240
*When applied to blasted and chromate pretreated steel			
**Limited approval for use only on wire mesh and post fabricating steel			

(11) FIBER MULCH, WOOD CELLULOSE - Location & Design

To be included on List 11, the Manufacturer shall follow the requirements of the Manual of Instructions Sec. 204.20(d) and meet Road and Bridge Sec. 244.02(g).

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Stormwater Management Program".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Code & Product	Manufacturer	Street Address	Location	Phone Number / Contact
Mulch&Grow 70/30 Wood Blend	Carolina Precision Fibers, Inc	P.O. Box 624	Elkin, NC	886-476-3278
Mulch&Grow Premium Cellulose	Carolina Precision Fibers, Inc	P.O. Box 624	Elkin, NC	886-476-3278
HY-C1	East Coast Erosion Blanks, LLC	443 Bricker Road	Bernville, PA	610-488-8496
Mat Blend	LSC Environmental Products, LLC	2183 Pennsylvania Ave	Apalachin, NY 13732	800-800-7671 Michael Barimo
Mat Fiber	LSC Environmental Products, LLC	2183 Pennsylvania Ave	Apalachin, NY 13732	800-800-7671 Michael Barimo
GeoSkin Hydraulic Mulch	Mulch and Seed Innovations, LLC	7265 Alabama Hwy 9 South	Centre, AL	256-927-8823
Profile Wood	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	808-312-7671 Lauren Deem
Profile Wood wTack	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	808-312-7671 Lauren Deem
Profile Blend	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	808-312-7671 Lauren Deem
Seed Aide-CoverGrow	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	808-312-7671 Lauren Deem
Country Boy	Profile Products	60 Davy Crockett Park Road	Buffalo Grove, IL 60089	808-312-7671 Lauren Deem
Profile Cellulose	Profile Products	60 Davy Crockett Park Road	Buffalo Grove, IL 60089	808-312-7671 Lauren Deem

(12) GUARDRAIL MATERIALS - CERTIFICATE OF COMPLIANCE & GUARANTEE - Structures Division

To be included on List 12, the Manufacturer/Supplier/Erector shall follow the requirements of the Manual of Instructions Sec 204.18 and meet Road and Bridge Sec. 221 and 505.

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Structures Division".

****Some or all materials on this list are believed by VDOT to fall under “Buy America” requirements or “BABA Requirements” (see the statement on the Approved Lists cover page). It is the Contractor’s responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Manufacturer/Erector/Supplier	Street Address	Location	Guardrail
A&P Services, LLC	117 Lankford Road	Pisgah Forest, NC 28768	Erector
Curtis Contracting	7481 Theron Road	West Point, VA 23181	Erector
DeAngelo Contracting Services	100 North Conahan Drive	Hazleton, PA 18201	Erector
Elderlee, Inc.	729 Cross Road Oaks Corner	Corners, NY 14518	Erector
Guardrail of Roanoke, Inc.	13 Clover Ave NW	Roanoke, VA 24012	Erector
Intersate Specialties Services	8513 Bucyrus Court	Manassas, VA 20108	Erector
L.S. Lee, Inc.	3008 Falling Creek Ave.	Richmond, VA 23234	Erector
Long Fence	42521 John Mosby Highway	Richmond, VA 20152	Erector
Makco, Inc.	49 Deerfield Road	Louisa, VA 23093	Erector
Nationwide Construction Group	69951 Lowe Plant Road	Richmond, M 48062I	Erector
Nickelston Industries	1040 Fence Road	Lawsonville, NC 27022	Erector
Penn Line Service, Inc.	300 Scottsdale Ave.	Scottsdale, PA 15686	Erector
Roy Jorgensen Associate, Inc.	3735 Buckeystown Pike	Buckeystown, MD 21717	Erector
Shepaul Enterprises	6513 Robert C Byrd Dr.	Bradley, WV 25818	Erector
BrifenUSA	12501 N. Santa Fe Ave	Oklahoma City, OK 73114	Supplier
Elderlee, Inc.	729 Cross Road Oaks Corner	Corners, NY 14518	Supplier

Mid-Park Highway	2555 Brandenburg Rd	Leitchfield, KY 42754	Supplier
McPeak Supply, LLC	2010 Apperson Dr.	Salem, VA 24153	Supplier
Gregory Highway Products	4100 13th Street	Canton, OH 44708	Manufacturer
Highway Safety Corp.	239 Commerce Street	Glastonbury, CT 06033	Manufacturer
R.G. Steel Corporation	Route 551 8301 Mercer Street	Pulaski, PA 16143	Manufacturer
Samuel Roll Form Group	26 County Road 351	Iuka, MS	Manufacturer
SPIG Industries, Inc.	14675 Industrial Park Road	Bristol, VA 24202	Manufacturer
Valtir- Lima	426 East O'Conner Ave	Lima, OH 45801	Manufacturer
Valtir - Ft Worth	2548 North East 28th Street	Fort Worth, TX 76111	Manufacturer
Valtir - Orangeburg	600 Prosperity Road	Orangeburg, SC 29115	Manufacturer

Guardrail end treatments must be crash tested in accordance with MASH 2016 criteria and approved by the Department. The Special Design Group in Central office Location & Design Division maintains a VDOT approved MASH 2016 product list at the following website: <https://www.virginiadot.org/business/locdes/nchrp350-index.asp>

(13) ZINC RICH PAINT SYSTEMS (System B) - Chemistry Lab

To be included on List 13, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in near future (contact Chemistry Lab) and meet Road and Bridge Sec. 231.03a.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Color	Dry Film Thickness (mil)	VOC lb/gal	Street Address	Location	NTPEP Test No.	Approval Date	Review Date	System Type
Group I Systems										
<i>Prime coats in this Group are Inorganic Zinc and shall be applied to new steel, including contact, bolted and faying surfaces and may be used for application on existing steel. Prime coats in this Group meet Class B slip coefficient for bolted connections.</i>										
Group I - Coat:Primer Carbozinc11HS, DFT: 2-3,Color: Green	Carboline Paint	Green	2-3	2.4	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(12)-03	Apr-14	May-21	Inorganic Zinc Primer, Cycloaliphatic epoxy intermediate and aliphatic polyester urethane topcoat, organic zinc epoxy repair primer
Group I - Coat: Int. Carboguard 893,DFT:4-6,Color: White	Carboline Paint	White	4-6	1.6	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(12)-03	Apr-14	May-21	
Group I-Coat:Finish Carbothane 133 LV,DFT:3-5,Clr:Specified	Carboline Paint	Specified	3-5	1.76	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(12)-03	Apr-14	May-21	
Group I-Coat:Primer Repair Carbozinc 859,DFT:2-3,Color:	Carboline Paint		2-3	2.4	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(12)-03	Apr-14	May-21	
Group I-Coat:Primer Interzinc 22 HS, DFT:2.5-3,Clr:Red Gray	Akzo Nobel / International Paint	Reddish Gray	2.5-3	2.8	6001 Antoine Drive 77091	Houston, TX 77091	SSC(17)-03	Apr-19	May-23	Inorganic Zinc Primer, Polyamide epoxy intermediate and aliphatic acrylic polyurethane topcoat, organic zinc epoxy repair primer
Group I-Coat: Int. Intergard 475 HS, DFT: 2-4, Color: White	Akzo Nobel / International Paint	White	2-4	1.76	6001 Antoine Drive 77091	Houston, TX 77091	SSC(17)-03	Apr-19	May-23	
Group I-Coat:Finish Interthane 870 UHS,DFT:3-5,Clr:Specified	Akzo Nobel / International Paint	Specified	3-5	1.91	6001 Antoine Drive 77091	Houston, TX 77091	SSC(17)-03	Apr-19	May-23	
Group I-Coat:Primer Repair:Interzinc 52,DFT:3,Color:Spcfd	Akzo Nobel / International Paint		3	2.8	6001 Antoine Drive 77091	Houston, TX 77091	SSC(17)-03	Apr-19	May-23	
Group I-Coat: Primer Catha-Coat 304V, DFT: 2-4, Color:Gray	Akzo Nobel / ICI Devoe_Grp I	Gray	2-4	2.7	6001 Antoine Drive 77091	Houston, TX 77091	SSC(04)-04	Oct-17	Dec-19	

Group I - Coat: Int, Bar Rust 231, DFT: 4-8, Color: White	Akzo Nobel / ICI Devoe_Grp I	White	4-8	2.1	6001 Antoine Drive 77091	Houston, TX 77091	SSC(04)-04	Oct-17	Dec-19	Inorganic Zinc Primer, epoxy intermediate and aliphatic acrylic polyurethane topcoat, inorganic zinc epoxy repair primer
Group I-Coat:Finish Devthane 379 UVA,DFT:2-3,Color:Specified	Akzo Nobel / ICI Devoe_Grp I	Specified	2-3	2.6	6001 Antoine Drive 77091	Houston, TX 77091	SSC(04)-04	Oct-17	Dec-19	
Group I-Coat:Primer Rpr Catha-Coat 302 HA,DFT:2-4,Clr	Akzo Nobel / ICI Devoe_Grp I		2-4	2.8	6001 Antoine Drive 77091	Houston, TX 77091	SSC(04)-04	Oct-17	Dec-19	
Group I-Coat:Primer Zinc Clad II Plus,DFT:2-4,Color:Red-Gray	Sherwin Williams	Red Gray	2-4	2.53	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(03)-07	Oct-17	Dec-19	Inorganic Zinc Primer, Polyamide epoxy intermediate and Polyester modified aliphatic acrylic polyurethane topcoat, organic zinc epoxy repair primer
Group I - Coat: Int. Macropoxy 646, DFT: 5-10, Color: White	Sherwin Williams	White	5-10	2.08	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SCC(03)-07	Oct-17	Dec-19	
Group I-Coat:Finish Acrolon 218 HS,DFT:3-6, Color: Specified	Sherwin Williams	Specified	3-6	2.5	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SCC(03)-07	Oct-17	Dec-19	
Group I-Coat:Primer Rpr Zinc Clad IV HS,DFT:3-5,Clr:	Sherwin Williams		3-5	2.57	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SCC(03)-07	Oct-17	Dec-19	
Group I-Coat:Primer Zinc Clad DOT,DFT:2-4,Color:Gray-Green	Sherwin Williams	Gray-Green	2-4	2.6	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(09)-01	Nov-10	Dec-19	Inorganic Zinc Primer, Polyamide epoxy intermediate and Aliphatic acrylic-polyester urethane topcoat, organic zinc epoxy repair primer
Group I-Coat:Int. Steel Spec Epoxy,DFT:3-6,Color:Off White	Sherwin Williams	Off White	3-6	2.7	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SCC(09)-01	Nov-10	Dec-19	
Group I-Coat:Finish High Slds Polyurethane,DFT:3-4,Clr:Spcfd	Sherwin Williams	Specified	3-4	2.8	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SCC(09)-01	Nov-10	Dec-19	
Group I-Coat:Primer Rpr Zinc Clad IV,DFT:3-5,Clr:	Sherwin Williams		3-5	2.6	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SCC(09)-01	Nov-10	Dec-19	
Group IA Systems										
Prime coats in this Group are Organic Zinc. The approved systems below may only be used on existing steel and may be used on contact, bolted and faying surfaces. Prime coats in this Group have been tested and meet Class B slip coefficient for bolted connections.										
Group IA-Coat: Primer Amercoat 68 HS, DFT: 3-5, Red-Gray	PPG Industries	Red-Gray	3-5	2.4	875 Mansell Rd. 30076	Roswell, GA 30076	SSC(10)-03	Nov-08	Dec-19	Organic Zinc Primer, Polyamide epoxy intermediate and Aliphatic
Group IA-Coat: Int. Amercoat 399, DFT: 4-8, Color: White	PPG Industries	White	4-8	1.5	875 Mansell Rd. 30076	Roswell, GA 30076	SSC(10)-03	Nov-08	Dec-19	

Group IA-Coat:Finish Amercoat 450 H,DFT:2-5,Color:Specified	PPG Industries	Specified	2-5	2.6	875 Mansell Rd. 30076	Roswell, GA 30076	SSC(10)-03	Nov-08	Dec-19	acrylic urethane topcoat, organic zinc epoxy repair primer
Group IA-Coat:Primer Rpr Amercoat 68 HS,DFT:3-5,Clr:	PPG Industries		3-5	2.4	875 Mansell Rd. 30076	Roswell, GA 30076	SSC(10)-03	Nov-08	Dec-19	
Group IA-Coat:Primer Zinc Clad III HS,DFT:3-5,Color:Gray-Grn	Sherwin Williams	Gray-Green	3-5	2.8	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(11)-03	Oct-12	Dec-19	Organic Zinc Primer, Polyamide epoxy intermediate and Aliphatic acrylic polyester polyurethane topcoat, organic zinc epoxy repair primer
Group IA-Coat:Int. Macropoxy 646,DFT:5-10,Color:White	Sherwin Williams	White	5-10	2	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(11)-03	Oct-12	Dec-19	
Group IA-Coat:Finish Acrolon 218 HS,DFT:3-6,Color:Specified	Sherwin Williams	Specified	3-6	2.3	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(11)-03	Oct-12	Dec-19	
Group IA-Coat:Primer Rpr Zinc Clad 3 HS,DFT:3-5,Clr	Sherwin Williams		3-5	2.8	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(11)-03	Oct-12	Dec-19	
Group IA-Coat:Primer Interzinc 315 B, DFT: 2-6, Color: Green	Akzo Nobel / International Paint	Green	2-6	2.42	6001 Antoine Drive 77091	Houston, TX 77091	SSC(11)-01	Apr-12	Dec-19	Organic Zinc Primer, Epoxy intermediate and Aliphatic acrylic urethane topcoat, organic zinc epoxy repair primer
Group IA-Coat:Int. Integard 475 HS EVA 009,DFT:4-8,Clr:Buff	Akzo Nobel / International Paint	Buff	4-8	1.72	6001 Antoine Drive 77091	Houston, TX 77091	SSC(11)-01	Apr-12	Dec-19	
Group IA-Coat:Finish Interthane 870 UHS, DFT:3-5,Clr:Spcfd	Akzo Nobel / International Paint	Specified	3-5	1.91	6001 Antoine Drive 77091	Houston, TX 77091	SSC(11)-01	Apr-12	Dec-19	
Group IA-Coat:Primer Rpr Interzinc 315 B	Akzo Nobel / International Paint			2.42	6001 Antoine Drive 77091	Houston, TX 77091	SSC(11)-01	Apr-12	Dec-19	
Group IA - Coat: Primer Carbozinc 859, DFT: 3-5, Color: Green	Carboline Paint	Green	3-5	2.7	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	Organic Zinc Primer, Cycloaliphatic amine epoxy intermediate and Aliphatic acrylic polyester polyurethane topcoat, organic zinc epoxy repair primer
Group IA - Coat: Int. Carboguard 893, DFT: 4-6, Color: White	Carboline Paint	White	3-5	2.7	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	
Group IA-Coat:Finish Polyurethane 1336 VOC, DFT:3-5, Clr:Spcfd	Carboline Paint	Specified	3-5	2.6	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	
Group IA-Coat:Primer Repair Carbozinc 859,DFT:3-5,Color:	Carboline Paint		3-5	2.7	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	

Group IA-Coat:Primer Zinc Clad 4100,DFT:3-5,Color:Gray-Grn	Sherwin Williams	Gray-Green	3.5	2.7	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(18)-01-003	Dec-19	Oct-25	Organic Zinc Primer, Polysiloxane (epoxy siloxane hybrid) topcoat, organic zinc epoxy repair primer
Group IA-Coat:Finish Sherloxane 800,DFT:4-6,Color:Specified	Sherwin Williams	Specified	4-6	0.77	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(18)-01-003	Dec-19	Oct-25	
Group IA-Coat:Primer Rpr Zinc Clad 4100,DFT:3-5,Clr:	Sherwin Williams		3.5	2.7	101 W. Prospect Ave.1500 Midland Bldg. 44115	Cleveland, OH 44115	SSC(18)-01-003	Dec-19	Oct-25	
Group II Systems										
<i>Prime coats in this Group are Organic Zinc. The approved systems below may only be used on existing steel that require no painting of contact, bolted and faying surfaces. Prime coats in this Group do not meet Class B slip coefficient requirements for bolted connections.</i>										
Group II-Coat:Primer Interzinc 52,DFT:2-3,Clr:Blue,Gray,Grn	Akzo Nobel / International Paint	Blue, Gray, Green	2-3	2.8	6001 Antoine Drive 77091	Houston, TX 77091	SSC(03)-12	Aug-05	Dec-19	Organic Zinc Primer, Epoxy intermediate and Acrylic polysioxane topcoat, organic zinc epoxy repair primer
Group II-Coat:Int. Intergard 475 HS,DFT: 4-8,Color: Lt.Gray	Akzo Nobel / International Paint	Lt. Gray	4-8	1.46	6001 Antoine Drive 77091	Houston, TX 77091	SSC(03)-12	Aug-05	Dec-19	
Group II - Coat: Finish Interfine 979, DFT: 4-6, Color:Spcfd	Akzo Nobel / International Paint	Specified	4-6	1.82	6001 Antoine Drive 77091	Houston, TX 77091	SSC(03)-12	Aug-05	Dec-19	
Group II-Coat:Primer Interzinc 52,DFT:2-3,Clr:	Akzo Nobel / International Paint		2-3	2.8	6001 Antoine Drive 77091	Houston, TX 77091	SSC(03)-12	Aug-05	Dec-19	
Group II - Coat: Primer Carbozinc 859, DFT: 3-5, Color: Green	Carboline Paint	Green	3-5	2.7	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	Organic Zinc Primer, Cycloaliphatic amine epoxy intermediate and Aliphatic acrylic polyester polyurethane topcoat, organic zinc epoxy repair primer
Group II - Coat: Int. Carboguard 898, DFT: 3-5, Color: White	Carboline Paint	White	3-5	2.7	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	
Group II-Coat:Finish Carbothane 133 LH, DFT:3-5, Clr:Spcfd	Carboline Paint	Specified	3-5	2.6	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	
Group II-Coat:Primer Repair Carbozinc 859,DFT:3-5,Color:	Carboline Paint		3-5	2.7	350 Hanley Industrial Ct. 63144	St. Louis, MO 63114	SSC(04)-002	Mar-08	Dec-19	

(14) PIPE JOINTS AND CONNECTIONS - Soils Lab

To be included on List 14, the Manufacturer shall follow the requirements of the Manual of Instructions Section 204.19(i) and Road and Bridge Sec. 212, 232 and 302.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Soils Lab".

Note: Any leak-resistant joint is also silt-tight and soil-tight, and any silt-tight joint is also soil-tight. Higher classification joints are not listed again separately for the lower classifications for a given pipe type.

**Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.

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Product	Manufacturer	Street Address	Location	Notes
CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES - Soil-Tight Joints				
Butyl-Tite	MultiSeal, Inc.	4320 Hitch & Peters Rd	Evansville, IN 47711	Meeting ASTM C990; Any pipe or arch with tongue and groove or bell and spigot joints
E-Z Stik	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Meeting ASTM C990; Any pipe or arch with tongue and groove or bell and spigot joints
Pro-Stik	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Meeting ASTM C990; Any pipe or arch with tongue and groove or bell and spigot joints
RV 30	Ru Van, Inc.	1175 Diamond Ave	Evansville, IN 47711	Meeting ASTM C990; Any pipe or arch with tongue and groove or bell and spigot joints
MarMac C 990	MarMac Construction Products, Inc.	334 N. 7th St.	McBee, SC 29101	Meeting ASTM C990; Any concrete pipe or box culvert with tongue and groove or bell and spigot joints
M-30-B Butyl Sealant	Delta Pipe Products	1627 Oakbrook Drive	Gainesville, GA 30507	Meeting ASTM C990; Any concrete pipe or box culvert with tongue and groove, bell and spigot, single offset, or O-ring joints
Ram-Nek RN103 Flexible Plastic Sealant	Henry Company	999 N. Pacific Coast Hwy #800	El Segundo, CA 90245	Meeting ASTM C990; Any pipe or arch with tongue and groove or bell and spigot joints
Ram-Nek RN101 preformed flexible plastic sealant	Henry Company	999 N. Pacific Coast Hwy #800	El Segundo, CA 90245	Meeting ASTM C990; Any pipe or arch with tongue and groove or bell and spigot joints
Rub'R Nek LTMRN106 butyl rubber sealant	Henry Company	999 N. Pacific Coast Hwy #800	El Segundo, CA 90245	Meeting ASTM C990; Any pipe or arch with tongue and groove or bell and spigot joints
ConSeal CS-102 butyl rubber sealant	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Any concrete pipe or box culvert with tongue and groove or bell and spigot joints
ConSeal CS-102B	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Any concrete pipe or box culvert with tongue and groove or bell and spigot joints

Clippership Bituminous Joint Compound MP-52	Seaboard Asphalt	3601 Fairfield Road	Baltimore, MD 21226	Any pipe or arch with tongue and groove, bell and spigot, single offset, or O-ring joints
R-427-N	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material meeting ASTM D1056, Type 2A; Any box culvert with tongue and groove or bell and spigot joints
ConSeal CS101	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Any pipe or arch with tongue and groove or bell and spigot joints
ConSeal CS208	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Any pipe or arch with tongue and groove or bell and spigot joints
Closed cell joint filler	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Any concrete pipe or box culvert with tongue and groove, single offset, or O-ring joints
Sika Greenstreak Swellstop Primer Adhesive and Waterstop	Sika	3400 Tree Court Ind. Blvd	St. Louis, MO 632122	Any concrete box culvert
Infi-Shield Gator Wrap	Sealing Systems, Inc.	9350 County Road 19	Loretto, MN 55357	Any pipe, arch, or box; 9" width up to 78" diameter, 12" width up to 108" diameter
Bidco C-56	Trelleborg	250 Elm St.	Milford, NH 03055	Any pipe, arch, or box culvert
Bidco Wrap	Trelleborg	250 Elm St.	Milford, NH 03055	Any pipe, arch, or box culvert; 9" wrap to 78" diameter, 12" wrap to 108" diameter
CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES - Silt-Tight Joints				
ConSeal CS102	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Material meeting ASTM C990; Any pipe or arch with tongue and groove joints (3/4" for 12"-30" dia pipe; 1" for 36"-48" dia pipe; 1-1/2" for 54"-72" dia pipe)
ConSeal CS202	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Material meeting ASTM C990; Any pipe or arch with tongue and groove joints (3/4" for 12"-30" dia pipe; 1" for 36"-48" dia pipe; 1-1/2" for 54"-72" dia pipe)
ConSeal CS302	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Material meeting ASTM C990; Any pipe or arch with tongue and groove joints (3/4" for 12"-30" dia pipe; 1" for 36"-48" dia pipe; 1-1/2" for 54"-72" dia pipe)
Butyl-Nek BN109	Henry Company	999 N. Pacific Coast Hwy #800	El Segundo, CA 90245	Any concrete pipe or box culvert with tongue and groove, bell and spigot, single offset, or O-ring joints

ConSeal CS-212 external joint wrap	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	External wraps meeting ASTM C877: Any concrete box culvert with tongue and groove joints; 9" width to 78" diameter, min. 11" width to 108" diameter, min. 13" width to 144" diameter
Infi-Shield Gator Wrap 12" wide minimum external joint wrap	Sealing Systems, Inc.	9350 County Road 19	Loretto, MN 55357	External wraps meeting ASTM C877; Any concrete pipe, arch, or box culvert
Mar Mac DP Coupler	MarMac Construction Products, Inc.	334 N. 7th St.	McBee, SC 29101	(from 12" to 36" wide with 4 steel compression bands); Any concrete pipe or arch to any metal pipe or arch or concrete pipe to plastic pipe, in comparable diameters; min 13" width for diameters over 108"
12" wide double exterior geotextile wrap				Any pipe, arch, or box culvert; Geotextile shall be Subgrade Separation Fabric from VDOT Approved List No. 63

CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES - Leak-Resistant Joints

Press-Seal gaskets 158-4G	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material meeting ASTM C443 or C1619; Foltz pipe with profile offset joint, 15"-36" dia.
Press-Seal gaskets 158-4G	Foltz Concrete Pipe	11875 NC-150	York, SC 29745	Material meeting ASTM C443 or C1619; Foltz pipe with profile offset joint, 15"-36" dia.
Press-Seal 4G gaskets	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material meeting ASTM C443 or C1619; CP&P round and elliptical pipe with profile offset joint; round, 12"-96" diameter; elliptical, 23"x14" through 91"x48"
Press-Seal 4G gaskets	CP&P - Hanover	10364 Design Road	Hanover, VA 23069	Material meeting ASTM C443 or C1619; CP&P round and elliptical pipe with profile offset joint; round, 12"-96" diameter; elliptical, 23"x14" through 91"x48"
Press-Seal 4G gaskets	CP&P - Chesapeake	3801 Cook Blvd	Chesapeake, VA 23323	Material meeting ASTM C443 or C1619; CP&P round and elliptical pipe with profile offset joint; round, 12"-96" diameter; elliptical, 23"x14" through 91"x48"

Press-Seal 4G gaskets	CP&P - Jessup	7955 Dorsey Run Road	Jessup, MD 20794	Material meeting ASTM C443 or C1619; CP&P round and elliptical pipe with profile offset joint; round, 12"-96" diameter; elliptical, 23"x14" through 91"x48"
Press-Seal 4G gaskets	CP&P - Oakboro	20047 Silver Road	Oakboro, NC 28129	Material meeting ASTM C443 or C1619; CP&P round and elliptical pipe with profile offset joint; round, 12"-96" diameter; elliptical, 23"x14" through 91"x48"
Delta Profile and O-ring rubber gaskets	Delta Pipe Products	1627 Oakbrook Drive	Gainesville, GA 30707	Material meeting ASTM C443 or C1619; Rinker Materials concrete pipe with single offset and confined O-ring joints
Delta Profile and O-ring rubber gaskets	Rinker Materials Pipe	1627 Oakbrook Drive	Gainesville, GA 30507	Material meeting ASTM C443 or C1619; Rinker Materials concrete pipe with single offset and confined O-ring joints
Press-Seal gaskets 210-4G	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Foltz pipe with profile offset joint, 42"-72" dia.
Press-Seal gaskets 210-4G	Foltz Concrete Pipe	11875 NC-150	York, SC 29745	Foltz pipe with profile offset joint, 42"-72" dia.
Press-Seal O-ring gaskets	CP&P - Hanover	10364 Design Road	Hanover, VA 23069	Material meeting ASTM C443 or C1619 or C361; CP&P round pipe with confined O-ring joint, 12"-108" diameter
Press-Seal O-ring gaskets	CP&P - Chesapeake	3801 Cook Blvd	Chesapeake, VA 23323	Material meeting ASTM C443 or C1619 or C361; CP&P round pipe with confined O-ring joint, 12"-108" diameter
Press-Seal O-ring gaskets	CP&P - Jessup	7955 Dorsey Run Road	Salem, VA 24153	Material meeting ASTM C443 or C1619 or C361; CP&P round pipe with confined O-ring joint, 12"-108" diameter
Press-Seal O-ring gaskets	CP&P - Salem	2000 Salem Industrial Dr.	Jessup, MD 20794	Material meeting ASTM C443 or C1619 or C361; CP&P round pipe with confined O-ring joint, 12"-108" diameter
Press-Seal O-ring gaskets	CP&P - Oakboro	20047 Silver Road	Oakboro, NC 28129	Material meeting ASTM C443 or C1619 or C361; CP&P round pipe with confined O-ring joint, 12"-108" diameter
Press-Seal O-ring gaskets	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material meeting ASTM C443 or C1619 or C361; CP&P round pipe with confined O-ring joint, 12"-108" diameter
Delta Profile and O-ring rubber gaskets	Delta Pipe Products	1627 Oakbrook Drive	Gainesville, GA 30707	Material meeting ASTM C443 or C1619; Rinker Materials concrete pipe with single offset and confined O-ring joints

Hamilton Kent Tylox SuperSeal (TSS)	Hamilton Kent - Tenn	740 Baxter Lane	Winchester, TN 37398	Material meeting ASTM C443 or C1619 or C361; Any concrete pipe, arch, or box culvert with single offset joint
Universal Polymer and Rubber Profile & O-ring rubber gaskets	PermaTile Concrete Products	100 Beacon Road	Bristol, VA 24201	Material meeting ASTM C443 or C1619 or C361; PermaTile Concrete Products
Universal Polymer and Rubber Profile & O-ring rubber gaskets	Universal Polymer and Rubber, Ltd.	15730 S. Madison Rd.	Middlefield, OH 44062	Material meeting ASTM C443 or C1619 or C361; PermaTile Concrete Products
Macwrap and Seal Wrap	MarMac Construction Products, Inc.	334 N. 7th St.	McBee, SC 29101	(from 9" to 14" wide with 2 steel compression bands); External wraps meeting ASTM C877, Type I or II; Any concrete pipe, arch, or box culvert
Mar Mac Polyseal Coupler, with 2 steel compression bands	MarMac Construction Products, Inc.	334 N. 7th St.	McBee, SC 29101	Any concrete pipe, arch, or box culvert

CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES - Silt-Tight Horizontal Manhole and Inlet Joints

Mortar Joints

CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES - Leak-Resistant Horizontal Manhole and Inlet Joints

Butyl-Tite	CP&P - Ashland	11352 Virginia Precast Rd.	Ashland, VA 23005	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
Butyl-Tite	CP&P - Harrisonburg	210 Stone Spring Road	Harrisonburg, VA 22801	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
Butyl-Tite	CP&P - Salem	2000 Salem Industrial Dr.	Salem, VA 24153	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
Butyl-Tite	CP&P - Martinsburg	405 Corning Way	Martinsburg, WV 25405	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"

Butyl-Tite	CP&P - Greencastle	401 South Carlisle Street	Greencastle, PA 17225	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
Butyl-Tite	MultiSeal, Inc.	4320 Hitch & Peters Rd	Evansville, IN 47711	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
E-Z Stik	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
Pro-Stik	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
RV 30	Ru Van, Inc.	1175 Diamond Ave	Evansville, IN 47711	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
ConSeal CS102	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"

ConSeal CS102B	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
ConSeal CS-212 external joint wrap	Concrete Sealants Inc.	9325 OH-201	Tipp City, OH 45371	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
MarMac C 990	MarMac Construction Products, Inc.	334 N. 7th St.	McBee, SC 29101	Material for horizontal joints meeting ASTM C990; CP&P round manhole sections with tongue and groove or profile offset joint, 48"-126" diameter; Nansemond tongue and groove sections, 48"-84"
Bidco C-56	Trelleborg	250 Elm St.	Milford, NH 03055	
Press-Seal 4G gaskets	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material for horizontal joints meeting ASTM C443; CP&P round manhole sections with profile offset joint, 48"-120" diameter
Press-Seal 4G gaskets	CP&P - Ashland	11352 Virginia Precast Rd.	Ashland, VA 23005	Material for horizontal joints meeting ASTM C443; CP&P round manhole sections with profile offset joint, 48"-120" diameter
Press-Seal 4G gaskets	CP&P - Harrisonburg	210 Stone Spring Road	Harrisonburg, VA 22801	Material for horizontal joints meeting ASTM C443; CP&P round manhole sections with profile offset joint, 48"-120" diameter
Press-Seal 4G gaskets	CP&P - Salem	2000 Salem Industrial Dr.	Salem, VA 24153	Material for horizontal joints meeting ASTM C443; CP&P round manhole sections with profile offset joint, 48"-120" diameter
Press-Seal 4G gaskets	CP&P - Martinsburg	405 Corning Way	Martinsburg, WV 25405	Material for horizontal joints meeting ASTM C443; CP&P round manhole sections with profile offset joint, 48"-120" diameter

Press-Seal 4G gaskets	CP&P - Greencastle	401 South Carlisle Street	Greencastle, PA 17225	Material for horizontal joints meeting ASTM C443; CP&P round manhole sections with profile offset joint, 48"-120" diameter
SP/SL Gaskets	Trelleborg	250 Elm St.	Milford,NH 03055	Material for horizontal joints meeting ASTM C443
Press-Seal O-ring gaskets	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Material for horizontal joints meeting ASTM C443 or C361; CP&P round manhole sections with confined O-ring joint, 48"-126" diameter
Press-Seal O-ring gaskets	CP&P - Salem	2000 Salem Industrial Dr.	Salem, VA 24153	Material for horizontal joints meeting ASTM C443 or C361; CP&P round manhole sections with confined O-ring joint, 48"-126" diameter
Press-Seal O-ring gaskets	CP&P - Martinsburg	405 Corning Way	Martinsburg, WV 25405	Material for horizontal joints meeting ASTM C443 or C361; CP&P round manhole sections with confined O-ring joint, 48"-126" diameter
Hamilton Kent Tylox SuperSeal (TSS)	Hamilton Kent - Tenn	740 Baxter Lane	Winchester, TN 37398	Material for horizontal joints meeting ASTM C443 or C361
CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES - Soil-Tight Connectors - Concrete Pipe to Structure				
WS-30 Waterstop	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Concrete Pipe to Structure; Any pipe, arch, or box culvert and structure
Brick and mortar connection				Any pipe, arch, or box culvert and structure
CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES - Silt-Tight Connectors - Concrete Pipe to Structure				
Brick & mortar connection w/ double exterior geotextile wrap				Wrap to extend 2 ft over pipe and around entire structure - to be held in place with minimum 1" wide tightened metal bands; Geotextile shall be Subgrade Separation Fabric from VDOT Approved List No. 63
CONCRETE PIPE, PIPE ARCH, BOX CULVERTS AND MANHOLES -Leak-Resistant Connectors - Concrete Pipe to Structure				
Brick & mortar connection w/ double exterior geotextile wrap				Wrap to extend 2 ft over pipe and around entire structure - to be held in place with minimum 1" wide tightened metal bands; Geotextile shall be Subgrade Separation Fabric from VDOT Approved List No. 63
CORRUGATED METAL PIPE - Soil-Tight Joints				

Coupling Band	Annular corrugated or helical corrugated pipe with annular rerolled ends with; partially-corrugated (end rerolled to a s-2/3 by 1/2 in corrugation) or fully corrugated bands and connectors of banded angle, oval lugs, or bar and straps; Any VDOT approved corrugated metal pipe or arch.
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CORRUGATED METAL PIPE - Silt-Tight Joints

Mar Mac Dissimilar Pipe (DP) Coupler	MarMac Construction Products, Inc.	334 N. 7th St.	McBee, SC 29101	Covering 2 corrugations or 8" minimum each side of joint for rerolled ends with 4 steel compression bands; Any metal pipe or arch to any concrete pipe or arch or metal pipe to plastic pipe, in comparable diameters
Infi-Shield Gator Wrap 12" wide minimum external joint wrap	Sealing Systems, Inc.	9350 County Road 19	Loretto, MN 55357	12" wide minimum external wrap; Any pipe, arch, or box culvert
Coupling Band				<i>Only annular rerolled ends with; partially corrugated band, fully-corrugated band, or flat band, with O-ring gasket meeting ASTM D1056 and connectors of banded angle, oval and lugs, or bar and straps; and having a minimum 12-in wide double geotextile fabric wrap; Geotextile shall be Drainage Fabric from VDOT Approved List No. 63; Any VDOT approved corrugated metal pipe or arch.</i>
12" wide double exterior geotextile wrap				Any pipe, arch, or box culvert; Geotextile shall be Subgrade Separation Fabric from VDOT Approved List No. 63

CORRUGATED METAL PIPE - Leak-Resistant Joints - Metal Pipe to Structure

Note: None at this time.

CORRUGATED METAL PIPE - Soil-Tight Connectors - Metal Pipe to Structure

Brick and mortar connection	Any pipe, arch, or box culvert and structure
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CORRUGATED METAL PIPE - Silt-Tight Connectors - Metal Pipe to Structure

Brick & mortar connection w/ double exterior geotextile wrap				Brick and mortar connection, 2 corrugations covered for corrugated pipe, with double exterior geotextile wrap. Wrap to extend 2 ft. over pipe and around entire structure - to be held in place with minimum 1" wide tightened metal bands; Geotextile shall be Subgrade Separation Fabric from VDOT Approved List No. 62
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CORRUGATED METAL PIPE - Leak-Resistant Connectors - Metal Pipe to Structure

Brick & mortar connection w/ double exterior geotextile wrap				Brick and mortar connection, 2 corrugations covered for corrugated pipe, with double exterior geotextile wrap. Wrap to extend 2 ft. over pipe and around entire structure - to be held in place with minimum 1" wide tightened metal bands; Geotextile shall be Subgrade Separation Fabric from VDOT Approved List No. 63
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PLASTIC PIPE - Soil-Tight Joints

Split coupler	Advanced Drainage Systems, Inc.	4640 Trueman Blvd.	Hilliard, OH 43026	(single or double wide, covering 2 corrugations each side of joint); 12"-24" dia. ADS AASHTO M294 (N-12 plain end) pipe
Split coupler	McClarin Plastics	15 Industrial Dr.,	Hanover, PA 17331	(single or double wide, covering 2 corrugations each side of joint); 30"-60" dia. ADS AASHTO M294 (N-12 plain end) pipe
Solenio double bell	Solenio	64 North Lane	McAdam, CAN NB E6J 1K6	(Solenio double bell with clips; bell with clips welded to pipe; bell with O-ring gasket); 12" dia. Solenio HDPE pipe; 15"-36" dia. pipe; 42"-60" dia. Pipe
Split coupler or banded coupler				Split coupler or banded coupler from same as pipe man'f covering 2 corrugations each side of joint
External cleated snap coupler				External cleated snap coupler, covering 2 corrugations each side of joint

PLASTIC PIPE - Silt-Tight Joints

Split coupler w/ external filter fabric wrap	Advanced Drainage Systems, Inc.	4640 Trueman Blvd.	Hilliard, OH 43026	Single or double wide, covering 2 corrugations each side of joint, with external filter fabric wrap 1 ft each side of joint; 12"-24" dia. ADS AASHTO M294 Type S or SP (N-12 plain end) pipe; Filter fabric shall be Subgrade Separation Fabric from VDOT Approved List No. 63
Split coupler w/ external filter fabric wrap	McClarín Plastics	15 Industrial Dr.,	Hanover, PA 17331	Single or double wide, covering 2 corrugations each side of joint); 30"-60" dia. ADS AASHTO M294 Type SP (N-12 plain end) pipe; Filter fabric shall be Subgrade Separation Fabric from VDOT Approved List No. 63
Split coupler w/ external filter fabric wrap	Qualiplast, Inc.	480 Dufferin	Salaberry-de-Valleyfield, Quebec, Canada	Single or double wide, covering 2 corrugations each side of joint; 12"-60" dia. Lane AASHTO M294 Type S or SP pipe; Filter fabric shall be Subgrade Separation Fabric from VDOT Approved List No. 63

PLASTIC PIPE - Leak-Resistant Joints

Press-Seal 10.8 psi gasket	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Elastomeric gaskets meeting ASTM F477; In-line bell and spigot joints, ADS 12"-60" dia. AASHTO M294 HDPE or 330 Polypro pipe.
Vertex 10.8 psi gasket	Vertex, Inc.	3956 Mogadore Industrial Pkwy	Mogadore, OH 44260	Elastomeric gaskets meeting ASTM F477; In-line bell and spigot joints, ADS 12"-60" dia. AASHTO M294 HDPE or 330 Polypro pipe.
Hamilton Kent 10.8 psi gasket	Hamilton Kent - Tenn	740 Baxter Lane	Winchester, VA 37398	Elastomeric gaskets meeting ASTM F477; In-line bell and spigot joints, ADS 12"-60" dia. AASHTO M294 HDPE or 330 Polypro pipe.
Trelleborg 10.8 psi gasket	Trelleborg	250 Elm St.	Milford, NH 03055	Elastomeric gaskets meeting ASTM F477; In-line bell and spigot joints, ADS 12"-60" dia. AASHTO M294 HDPE or 330 Polypro pipe.
Hamilton Kent 10.8 psi gasket	Hamilton Kent - Canada	77 Carlingview Drive	Toronto, ON M9W 5E6	Elastomeric gaskets meeting ASTM F477; In-line bell and spigot joints, ADS 12"-60" dia. AASHTO M294 HDPE.
SpringSeal gasket	SpringSeal, Inc.	800 Enterprise Pkwy.	Ravenna, OH 44266	Elastomeric gaskets meeting ASTM F477; In-line bell and spigot joints, ADS 12"-60" dia. AASHTO M294 HDPE or 330 Polypro pipe.

Mar Mac Polyseal Coupler	MarMac Construction Products, Inc.	334 N. 7th St.	McBee, SC 29101	Elastomeric gaskets meeting ASTM F477; Any HDPE corrugated pipe; 12"-60" dia. AASHTO M330 Polypropylene Pipe
PLASTIC PIPE - Soil-Tight Connectors - Plastic Pipe to Structure				
Rubber bootied connection or pre-cast into structure	A-Lok	697 Main Street	Tullytown, PA 19007	Plastic Pipe to Structure; secured to corrugated pipe stub with or without smooth solid HDPE sleeve welded over corrugated portion of pipe stub; 12"-60" dia. AASHTO M294 HDPE or M330 Polypro pipe
Rubber bootied connection or pre-cast into structure	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Plastic Pipe to Structure; secured to corrugated pipe stub with or without smooth solid HDPE sleeve welded over corrugated portion of pipe stub; 12"-60" dia. AASHTO M294 HDPE or M330 Polypro pipe
Rubber bootied connection or pre-cast into structure	Trelleborg	250 Elm St.	Milford, NH 03055	Plastic Pipe to Structure; secured to corrugated pipe stub with or without smooth solid HDPE sleeve welded over corrugated portion of pipe stub; 12"-60" dia. AASHTO M294 HDPE or M330 Polypro pipe
Corrugated Pipe Adaptors (CGA) w/Kor-N-Seal Connectors	Trelleborg	250 Elm St.	Milford, NH 03055	Plastic Pipe to Structure; Pipe 8" – 60" diameter
Brick & Mortar connection				For corrugated pipe, 2 corrugations must be covered; Any pipe or arch and structure.
PLASTIC PIPE - Silt-Tight Connectors - Plastic Pipe to Structure				
Brick & Mortar connection with double exterior geotextile wrap				Wrap to extend 2 ft. over pipe and around entire structure - to be held in place with minimum 1" wide tightened metal bands; Any pipe; Geotextile shall be Subgrade Separation Fabric from VDOT Approved List No. 63
HDPE Waterstop	Press-Seal Corp.	2424 West State Blvd	Fort Wayne, IN 46808	Waterstops meeting ASTM F2510 (Section 4); Any corrugated HDPE pipe
PLASTIC PIPE - Leak-Resistant Connectors - Plastic Pipe to Structure				

Brick & Mortar connection with
double exterior geotextile wrap

Wrap to extend 2 ft. over
pipe and around entire
structure - to be held in
place with minimum 1"
wide tightened metal
bands; Any pipe;
Geotextile shall be
Subgrade Separation from
VDOT Approved List No.
63

(15) STUD SHEAR CONNECTORS - Structures Division

To be included on List 15, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.32(f) and meet Road and Bridge Sec. 232(h)

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Structures Division".

****Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Manufacturer	Street Address	Location	Website	Size
IMAGE INDUSTRIES (BLUE ARC)	1515 Desoto Ave.	Clarksdale, MS 38614	www.imageindustries.com	1/4, 3/8, 1/2, 5/8, 3/4, 7/8
COX INDUSTRIES (COX)	24700 Wood Court	Macomb, MI 48042	www.cox-industries.com	3/8, 1/2, 5/8, 3/4, 7/8
NELSON STUD WELDING (NELSON)	7900 West Ridge Road	Elyria, OH 44035	www.stanleyengineeredfastening.com	1/4, 3/8, 1/2, 5/8, 3/4, 7/8
TFP CORP. (TRU-WELD)	460 Lake Road	Medina, OH 45256	www.truweldstudwelding.com	3/8, 1/2, 5/8, 3/4, 7/8

(16) Surface Mounted and Ground Mounted Flexible Post Delieneators - Chemistry Lab

To be included on List 16, the Manufacturer shall follow the requirments of the Manual of Instructions to be published in the near future (contact Chemistry Lab) and meet Road and Bridge Sec. 702(g)

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product Trade Type	Manufacturer	Street Address	Location
SH 236 SMA-WS	Safe-Hit, Corp.	35 East Wacker Dr, Suite 1100	Chicago, IL 60601
SH 336 SMA-WS	Safe-Hit, Corp.	35 East Wacker Dr, Suite 1100	Chicago, IL 60601
SH 536 SST-YO	Safe-Hit, Corp.	35 East Wacker Dr, Suite 1100	Chicago, IL 60601
SDCF303601MB	Carsonite Int.	10 Bob Giggord Blvd	Early Branch, SC 29916
Tra-Flex 36	Arkan PLastics	136 SE 20th St.	Great Bend, KS 67530
Flex Stake TM 750	Flexstake Inc.	2150 Andrea Lane	Fort Myers, FL 33912
FG 300 UR	Pexco LLC	3110 70th Ave E,	Tacoma, WA 98424
FG 300 EFX	Pexco LLC	3110 70th Ave E,	Tacoma, WA 98424
FG 300 PE	Pexco LLC	3110 70th Ave E,	Tacoma, WA 98424
City Post	Pexco LLC	3110 70th Ave E,	Tacoma, WA 98424
D36F	Impact Recovery Systems	246 West Josephine St	San Antonio, TX 78212
TUFF TP 36	Impact Recovery Systems	246 West Josephine St	San Antonio, TX 78212
TUFF TP 42	Impact Recovery Systems	246 West Josephine St	San Antonio, TX 78212
TUFF TP 48	Impact Recovery Systems	246 West Josephine St	San Antonio, TX 78212
Omega post	Impact Recovery Systems	246 West Josephine St	San Antonio, TX 78212
TD-5200	Three D Traffic Works, Inc	430 N. Varney St.	Burbank, CA 91502
TD-5275	Three D Traffic Works, Inc	430 N. Varney St.	Burbank, CA 91502
TD-5500	Three D Traffic Works, Inc	430 N. Varney St.	Burbank, CA 91502
TD-5600	Three D Traffic Works, Inc	430 N. Varney St.	Burbank, CA 91502
Shur-Flex, Surface Mount Del	Shur-Tite Products	Round Rock	Roundrock, TX 78680
Shur-Flex, Driveable Del.	Shur-Tite Products	Round Rock	Roundrock, TX 78680
U-Flex	Shur-Tite Products	Round Rock	Roundrock, TX 78680

TSM 360 Series	NDM Marketing Systems, Inc	26 Gateway Dr.	Jasper, GA 30143
FTSM 360 Series	NDM Marketing Systems, Inc	26 Gateway Dr.	Jasper, GA 30143

(17) QUALIFIED PREFORMED TAPE - Chemistry Lab

To be included on List 17, the Manufacturer shall follow the requirements of the Manual of Instructions Section 204.30(d) and Road and Bridge Sec. 246 and 704.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab"

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Approval No.
TYPE B CLASS IV				
These tapes may be used for stop lines, crosswalks, messages and arrows only:				
Series 1000, White	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	STR-96-137-PA
ATM 300, White	Advanced Traffic Markings	100 Patch Rubber Road	Weldon, NC 26890	STR-98-TX-510
ATM 300, Yellow	Advanced Traffic Markings	100 Patch Rubber Road	Weldon, NC 26890	STR-98-TX-511
3M 390, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2010-01-026
3M 391, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2010-01-027
TYPE B CLASS VI (See Note 2 below for Slurry and Latex Emulsion Surfaces)				
These tapes may be used for edge lines, center and skip lines, messages and arrows only:				
A 380 IES, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS13965
A 381 IES, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS13966
A 380 WR, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS19276
A 381 WR, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS19277
A 380 WR ES, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS19276
A 381 WR,ES, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS19277
A 380 AW, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS13965
A 381 AW, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS13966
3M 390, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2010-01-026
3M 391, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2010-01-027
3M 380 AW-5, White Contrast Tape	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS13965

3M 381 AW-5, Yellow Contrast Tape	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS13966
A 380I-5 ES White Contrast Tape	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS11107
A 381I-5 ES, Yellow Contrast tape	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	MS11108
XRP, White	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2011-01-017(PA) / MS21492
XRP-E, Yellow	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2010-01-017(PA) MS21493
XRP-HCL, White Contrast Tape	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2011-01-017(PA) MS21492
XRP-E-HCL, Yellow Contrast tape	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2010-01-017(PA) MS21493

Note 1: The Prefix "A" = Adhesive - may not be designated on the product number tested.

Note 2: A low VOC primer adhesive shall be used as part of the manufacturer's installation instructions when installed on Slurry or Latex Emulsion surfaces.

TYPE D CLASS II (Temporary Tape)

ATM 200 White	Advanced Traffic Markings	100 Patch Rubber Road	Weldon, NC 26890	STR-98-TX-507
ATM 2000W White	Advanced Traffic Markings	100 Patch Rubber Road	Weldon, NC 26890	PMM-02-12-MS
ATM 2000Y Yellow	Advanced Traffic Markings	100 Patch Rubber Road	Weldon, NC 26890	PMM-02-13-MS
Series 100 White	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-04-014-MS
Series 100 Yellow	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-05-007-PA
3M 710, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-09-020-FL MS22605
3M 711, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-09-021-FL MS22606

TYPE D CLASS III - Temporary Tape (Wet Reflective)

Scotchlane 780 White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-06-010-MS / MS18477
Scotchlane 781 Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-06-011-MS / MS18478
3M 710, White	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2009-020-FL MS22605
3M 711, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2009-021-FL MS22606

3M 710 IR, White	3M	3M Center, Building 225-4N-14	St. Paul, MN	PMM-2022-099
3M 711 IR, Yellow	3M	3M Center, Building 225-4N-14	St. Paul, MN	PMM-2022-100
3M A710-5, White Contrast	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2009-020- FL MS22605
3M A711-5, Yellow Contrast	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2009-021- FL MS22606
Delta-Line TWR-White	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2009-005- FL MS21321
Delta-Line TWR-Yellow	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2009-006- FL MS21322
TWR-HCL White Contrast	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2009-005- FL MS21321
TWR-HCL Yellow Contrast	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	PMM-2009-006- FL MS21322
TYPE E				
3M Series A145, Black	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	STR-93-111
3M 715, Black	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	PMM-2009-022- FL MS22940
ATM 280, Black	Advanced Traffic Markings	100 Patch Rubber Road	Weldon, NC 26890	STR-98-509-TX
Delta-Line BTR-Black	Brite-Line Tec, Inc.	10660 E. 51st Ave	Denver, CO 80239	STR-97-83-MN

(18) ABRASIVES - Chemistry Lab

To be included on List 18, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Chemistry lab) and meet Road and Bridge Sec. 411.

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects verify this and comply as necessary on VDOT federal aid projects.

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Product	Manufacturer	Street Address	Location
Adirondack HPX (Garnet)	Barton International	145 Hudson River Plant Road	Indian Lake, NY 12852
Black Beauty (Coal Clag)	HARSCO	350 Poplar Church Road	Camp Hill, PA 17011
Ebony Grit (Copper Slag)	Opta Minerals	56 Industrial Park Rd	Keeseville, NY 12944
Green Grit (Recycled Glass)	Mil Spec Abrasives, LLC	3306 Peterson St	Norfolk, VA 23509
Starblast XL	DuPont-Chemours	1007 Market Street P.O. Box 2047	Wilmington, DE 19899

(19) ABSORPTIVE SOUNDWALL COLOR COATINGS - Physical Lab

To be included on List 19, the Manufacturer shall meet Road and Bridge Sec. 519.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

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Product	Manufacturer	Street Address	Location
Canyon Tone Stain	United Coatings	1 Campus Drive	Parsippany, NJ 07054
Cementrate	Harris Specialty Chemicals	10245 Centurion Parkway North	Jacksonville, FL 32256
Cold-Flex Stain	Cold-Flex, Inc.		
FX-430	Fox Industries	3100 Falls Cliff Road	Baltimore, MD 21211
Nitocote Cementrate WB	Harris Specialty Chemicals	10245 Centurion Parkway North	Jacksonville, FL 32256
Aquastain T-96	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110
Rainstopper Concrete Stain	Textured Coatings of America, Inc.	2422 E. 15th Street	Panama City, FL 32405
Tex*Cote 300 Bridge Cote Smooth	Textured Coatings of America, Inc.	2422 E. 15th Street	Panama City, FL 32405
Tex*Cote XL-70 Bridge Cote Smooth	Textured Coatings of America, Inc.	2422 E. 15th Street	Panama City, FL 32405

(20) WATER BORNE TRAFFIC PAINT (Type A) - Chemistry Lab

To be included on List 20, the Manufacturer shall follow the requirements of the Manual of Instructions Section 204.30 and Road and Bridge Sec. 246 and 704.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab"

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Product	Manufacturer	Street Address	Location	Retro reflective Optics	Approval No.
WHITE PAINT					
EP415W03 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-61
EP415W04 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-62
CL-6000 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-96-85-PA
CL-6004 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-96-68-PA
CL-7018 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-97-69-AL
CL-8210 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-96
CL-8214 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-100
CL-8216 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-102
CL-8218 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-104
CL-8220 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-106
CL-8222 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-108

LD96-1002 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR96-85-PA
LD96-1008 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-93-91-PA
LD971001C - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-97-138-AL
LD981001 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-158
LD981002 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-159
LD981003 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-160
LD981004 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-161
LD9810005 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-162
LRMOOWB-19 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-110
LRMOOWB-20 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)111
DOUGLAS 303-98 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-214
Ennis EP200W13 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-17
Ennis EP200W14 White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-18
Ennis EP200W16 - White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-20
14224 - White	Ozark Materials, LLC	591 Glendale Ave	Greenville, AL		PMM-2015-01-110
BP15652 / TM 2324 - White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		STR-98-PA-135

BP14016 - White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		STR-97-41-AL
BP14019 - White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		STR-97-44-AL
BP15622 - White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		STR-98-PA-150
BP17312 - White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		PMM(2000PA)170
BP17313 - White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		PMM(2000PA)171
BP17316 - White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		PMM(2000PA)174
YELLOW PAINT					
72Y-AO65 - Yellow	Aexcel				STR-96-148-PA
EP415Y03 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-66
EP415Y04 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-67
EP415Y05 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-68
EP415Y06 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-69
LD961009 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-96-92-PA
LD981009 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-165
LD981010 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-166
LRMOOWB-31 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM(2000PA)-122
Douglas 306-98 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-217

Douglas 307-98 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-218
Ennis EP200Y-15 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-26
Ennis EP200Y-18 - Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		STR-98-PA-29
24224 - Yellow	Ozark Materials, LLC	591 Glendale Ave	Greenville, AL		PMM-2015-01-111
BP15611 / TM 2325 - Yellow	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		STR-98-PA-139
BP14021 - Yellow	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		STR-97-46-AL
BP15623 - Yellow	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		STR-98-PA-151
BP17314 - Yellow	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230		PMM(2000PA)172
HIGH BUILD TRAFFIC PAINT					
984631 18NTPWBW2 - HB White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222	M247, Type 3 (14 lbs/gal)	PMM-2018-01-103
984632 18NTPWBY3 - HB Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222	M247, Type 3 (14 lbs/gal)	PMM-2018-01-105
16224 - HB White	Ozark Materials, LLC	591 Glendale Ave	Greenville, AL	M247, Type I (6 lbs/gal) M247, Type 3 (6 lbs/gal)	PMM-2018-01-073
26224 - HB Yellow	Ozark Materials, LLC	591 Glendale Ave	Greenville, AL	M247, Type I (6 lbs/gal) M247, Type 3 (6 lbs/gal)	PMM-2081-01-072
TM-2584 - HB White	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230	M247, Type I (6 lbs/gal) M247, Type 3 (6 lbs/gal)	PMM-2008-01-250
TM-2585 - HB Yellow	Sherwin-Williams	2325 Hollins Ferry Rd	Baltimore, MD 21230	M247, Type I (6 lbs/gal) M247, Type 3 (6 lbs/gal)	PMM-2008-01-251
Note: The same retroreflective optics materials (Type and quantity (lbs/gal) used for the NTPEP testing must be used with these products when installed on VDOT roads					

COLD WEATHER PAINT

17224 - CW White	Ozark Materials, LLC	591 Glendale Ave	Greenville, AL		PMM-2018-01-065
27224 - CW Yellow	Ozark Materials, LLC	591 Glendale Ave	Greenville, AL		PMM-2018-01-066
984651(991152) - CW White	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM-2008-01-051
984652(991157) - CW Yellow	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222		PMM-2008-01-056

Note: The same retroreflective optics materials (Type and quantity (lbs/gal) used for the NTPEP testing must be used with these products when installed on VDOT roads

Can be used to temp as low as 35 degrees F. Follow manufacturer's installation and has a shelf life of 6 months.

(21) QUALIFIED #14 ALUMINUM EPOXY COATINGS (System F) - Chemistry Lab

To be included on List 21, the Manufacturer shall follow the requirements of the Manual of Instructions Section 204.24 and Road and Bridge Sec. 231.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

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Product	Manufacturer	Street Address	Location
Coat: Primer Carbomastic 15	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO 63144
Coat: Primer Carbomastic 90	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO 63144
Coat: Primer Interplus 670 HS Al.	International Paint	6001 Antoine Drive 77091	Houston, TX 77091
Coat: Primer Epoxy Mastic Aluminum II	Sherwin Williams	101 W. Prospect Ave. 1500 Midland Bldg. 44115	Cleveland, OH 44115
Coat: Epoxy Finish CarboGuard 890	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO 63144
Coat: Epoxy Finish CarboGuard 890 LT	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO 63144
Coat: Epoxy Finish Macropoxy High Solids	Sherwin Williams	101 W. Prospect Ave. 1500 Midland Bldg. 44115	Cleveland, OH 44115
Coat: Alt. Urethane Finish Carbothane 133 LH	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO 63144
Coat: Alt. Urethane Finish Carbothane 134 LH	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO 63144
Coat: Alt Urethane Finish Interthane 870 UHS	International Paint	6001 Antoine Drive 77091	Houston, TX 77091
Coat: Alt. Urethane Finish Acrolon 218 HS	Sherwin Williams	101 W. Prospect Ave. 1500 Midland Bldg. 44115	Cleveland, OH 44115

(22) PAVEMENT MARKERS - Chemistry Lab

To be included on List 22, the Manufacturer shall follow the requirements of the Manual of Instructions Section 204.30 and Road and Bridge Sec. 235 and SP704-000110-00.

<https://www.virginia.gov/business/materials-download-docs.asp>
https://www.virginia.gov/business/resources/const/VDOT2016_3Specs.pdf

For additions or deletions to the list, contact the Materials Division "Chemistry Lab"

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PLASTIC INLAID MARKERS (PIMs) SP704-000110-00

Product	Manufacturer	Street Address	Location	Reflector Description	Casting Adhesive	Reflector Adhesive
Model 201	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.,	Highpoint, NC 27260	Ennis-Flint 940, 944, C-40; Ray-O-Lite 2004, 2004S; 3M 190	Epoplex MA-50, MA-52; Lord Corp Thermoset EP-87; P3 Infrastructure, Inc Duradhesive; Olin Epoxy-Poly-Carb Mark 29, Mark 29.9; See Note 1	Liquid Nails 602, 2000
Model R-100, Model R-101	Marker One	1030 Seaview Ct. Schaumburg. IL 60193	Schaumburg, IL	Ennis-Flint 940, 944, C-40; Ray-O-Lite 2004, 2004S; 3M 190	Epoplex MA-50, MA-52; Lord Corp Thermoset EP-87; P3 Infrastructure, Inc Duradhesive; Olin Epoxy-Poly-Carb Mark 29, Mark 29.9; See Note 1	Liquid Nails 602, 2000

TEMPORARY PAVEMENT MARKERS

Product	Manufacturer	Street Address	Location			Reflector Adhesive
Marker No. 88	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II
Marker No. 11	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II
Marker No. 948	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II
Marker No. C-80	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II

Marker No. C-40	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II
Marker No. Types B, D, DR	Ray-O-Lite	5401 N. Sam Houston Pkwy W.	Houston, TX 77086			Bitumen Adhesive
Marker No. 2004, 2004S, Types - B, C, D, DR, G, H, K, X, Z	Ray-O-Lite	5401 N. Sam Houston Pkwy W.	Houston, TX 77086			Bitumen Adhesive
Model AA, Types - B, C, D, DR, G, H, K, X, Z	Ray-O-Lite	5401 N. Sam Houston Pkwy W.	Houston, TX 77086			Bitumen Adhesive
Model AA-ARC II, Types - B, C, D, DR, G, H, K, X, Z	Ray-O-Lite	5401 N. Sam Houston Pkwy W.	Houston, TX 77086			Bitumen Adhesive
Marker No 290/291	3M	3M Traffic Safety Div, 3M Center	St. Paul, MN 55144			Bitumen Adhesive
Marker No DAPCO RPM	Pexco, LLC	Davidson Traffic Control Products, 3110 70th Ave E,	Tacoma, WA 98424			Bitumen Adhesive

FLEXIBLE TEMPORARY PAVEMENT MARKER (FTPM) (Chip Seal/Overlay) For 14 day Maximum Usage

Product	Manufacturer	Street Address	Location			Reflector Adhesive
Marker No TOM W-1, W-2, Y-1, Y-2	Pexco, LLC	Davidson Traffic Control Products, 3110 70th Ave E,	Tacoma, WA 98424			Bitumen Adhesive
Marker No. Model 932 - CW/CW2; CY/CY2; CWOL/CW2OL; CYOL/CY2OL	Apex Universal, Inc.	11033 Forest Place	Santa Fe Springs, CA 90670			Bitumen Adhesive

RECESSED PAVEMENT MARKERS

Product	Manufacturer	Street Address	Location			Reflector Adhesive
Marker No. 2004, 2004S, Types - B, C, D, DR, G, H, K, X, Z	Ray-O-Lite	5401 N. Sam Houston Pkwy W.	Houston, TX 77086			EP-326 Epoxy
Marker No. 948	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II

Marker No. 944SB	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II
Marker No. C-40	Ennis-Flint Traffic Safety Solutions	201 Old Thomasville Rd.	Highpoint, NC 27260			2202 or AASHTO, M237, Type II

(23) QUALIFIED DELINEATORS - Chemistry Lab

To be included on List 23, the Manufacturer shall follow the requirements of the Manual of Instructions Section 204.30 and Road and Bridge Sec. 235.02(d).

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab"

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Product	Manufacturer	Street Address	Location	Adhesive
BARRIER DELINEATOR				
Flex 2020	Duraflex	63 Bonville Ave,	Thornton, NSW 2322 Australia	H.B. Fuller SCO 252124
Model No. 661	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
Model No. 662	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
Model No. 631	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
Model No. 632	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
FT-1	Artuk, Inc	1200 Abbott Dr.	Elgin, IL 60123	Artuk Cement # SB-12
FB-33	Artuk, Inc	1200 Abbott Dr.	Elgin, IL 60123	Artuk Cement # SB-12
PCBM-T9	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-T12	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-9	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-12	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-15	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A

PCBM-Little Dog	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-Big Dog	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
EBM 3X4-1/EBM 3X4-2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
EBM 3X3-1/EBM 3X3-2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
EBMT-1/EBMT-2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
GRD-C1/GRD-C2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
GUARDRAIL DELINEATOR				
Railrider	Duraflex	63 Bonville Ave,	Thornton, NSW 2322 Australia	H.B. Fuller SCO 252124
Model No. 661	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
Model No. 662	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
Model No. 631	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
Model No. 632	Eastern Metal/USA-Sign	1430 Sullivan St.	Elmira, NY 14901	Dow Corning #795 Silicone or Courtauds PRC Rapid Seal
FT-1	Artuk, Inc	1200 Abbott Dr.	Elgin, IL 60123	Artuk Cement # SB-12
FR-1	Artuk, Inc	1200 Abbott Dr.	Elgin, IL 60123	Artuk Cement # SB-12
FB-33	Artuk, Inc	1200 Abbott Dr.	Elgin, IL 60123	Artuk Cement # SB-12
Davidson Straight	Pexco, LLC	3109 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
DAPCO I-Flex	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A

PCBM-Little Dog	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-Big Dog	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-T9	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-T12	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-9	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-12	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
PCBM-15	Pexco, LLC	3110 70th Ave E,	Tacoma, WA 98424	DAPCO 795A
EBM 3X4-1/EBM 3X4-2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
EBM 3X3-1/EBM 3X3-2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
EBMT-1/EBMT-2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
GRD-C1/GRD-C2	Empco-Lite	909 Grace St.	South Elgin, IL 60120	MFGR Recom.
ROAD EDGE DELINEATOR				
Model 975	Ennis-Flint Traffic Safety Sol.	201 Old Thomasville Rd.	Highpoint, NC 27260	3.25" Circular
Model 18/181	AKT	909 Grace St.	South Elgin, IL 60120	3.25" Circular
RT-90	Ray-O-Lite	5401 N. Sam Houston Pkwy W.	Houston, TX 77086	3.25" Circular

(24) MINERAL ADMIXTURES FOR HYDRAULIC CEMENT CONCRETE - Physical Lab

To be included on List 24, the Manufacturer shall follow the requirements of the Manual of Instructions Section 204.01 (publish in the near future, contact physical lab) and meet Road and Bridge Sec. 215.02(g,h,l or m).

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

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Product	Manufacturer	Street Address	Location	Plant ID	Remarks
POZZOLAN-FLY ASH	Charah Miami Fort Planr North Bend OH_CODE 144	11021 Brower Rd	North Bend, OH 45052	144	Class F
POZZOLAN-FLY ASH	EM Resources Bowen Plant, Stilesboro, GA_CODE 111	317 Covered Bridge Road SW	Cartersville, GA 30120	111	Class F
POZZOLAN-FLY ASH	EM Resources - Cumberland City, TN_CODE 135	244 Old Highway 149	Cumberland, TN 37050	135	Class F
POZZOLAN-FLY ASH	EM Resources Ghent Plant, KY_CODE 154	9485 US-42	Ghent, KY 41045	154	Class F
POZZOLAN-FLY ASH	EM Resources Mill Creek Plant_CODE 149	14660 Dixie Highway	Louisville, KY 40272	149	Class F
POZZOLAN-FLY ASH	EM Resources - Sammis Plant, Stratton, OH_CODE 134	WH Sammis Plant State Rte 7	Stratton, OH 43691	134	Class F
POZZOLAN-FLY ASH	EM Resources Washingtonville Plant_CODE 148	306 Strawberry Ridge Rd	Danville , PA 17823	148	Class F
POZZOLAN-FLY ASH	Fly Ash Direct John Amos Plant, Winfield_CODE 127	1530 Winfield Road	Winfield, WV 25213	127	Class F
POZZOLAN-FLY ASH	Fly Ash Direct Mntner Plnt, NewHaven WV_CODE 145	WV-62	New Haven, WV 25253	145	Class F
POZZOLAN-FLY ASH	SEFA Belews Creek, NC_CODE 102	3193 Pine Hall Rd	Belews Creek, NC 27009	102	Class F
POZZOLAN-FLY ASH	SEFA Buck Plant Salisbury, NC_CODE 151	855 Dukeville Road	Salisbury, NC 28146	151	Class F
POZZOLAN-FLY ASH	SEFA Bull Run Fossil Plant Oak Ridge, TN_CODE 132	1265 Edgemoore Road	Oak Ridge, TN 37716	132	Class F
POZZOLAN-FLY ASH	SEFA Cape Fear Plant, Moncure, NC_CODE 153		Moncure, NC 27559	153	Class F
POZZOLAN-FLY ASH	SEFA Cross Station Pineville, SC_CODE 129	553 Cross Station Road	Pineville, SC 29468	129	Class F
POZZOLAN-FLY ASH	SEFA H.F. Lee Plant Goldsboro, NC_CODE 152	1594 Blackjack Church Road	Goldsboro, NC 27530	152	Class F
POZZOLAN-FLY ASH	SEFA Kingston Fossil Plant Harriman, TN_CODE 136	714 Swan Pond Road	Harriman, TN 37748	136	Class F
POZZOLAN-FLY ASH	SEFA McMeekin Station Columbia, SC_CODE 128	6055 Bush River Road	Columbia, SC 29212	128	Class F Bagged Product

POZZOLAN-FLY ASH	SEFA Morgantown Generation Sta Newburg MD_CODE 120	12620 Crain Highway	Newburg, MD 20664	120	Class F
POZZOLAN-FLY ASH	SEFA Winyah Generation Sta. Georgetown SC_CODE 131	661 Steam Plant Drive	Georgetown, SC 29440	131	Class F
POZZOLAN-FLY ASH	SCE&G Williams Station Goose Creek, SC_CODE 140	2242 Bushy Park Road	Goose Creek, SC 29445	140	Class F
POZZOLAN-FLY ASH	SEFA Keystone Generating Sta Shelocta PA_CODE 141	313 Keystone Lane	Shelocta, PA 15774	141	Class F
POZZOLAN-FLY ASH	Separation Tech. Brandon Shores Station_CODE 119	2010 Brandon Shores Dr	Baltimore, MD 21226	119	Class F
POZZOLAN-FLY ASH	Separation Tech. Brunner Island Sta._CODE 125	1400 Wago Road	York Haven, PA 17370	125	Class F
POZZOLAN-FLY ASH	Separation Technologies Clifty Creek_CODE 150	1335 Clifty Hollow Road	Madison, IN 47250	150	Class F
POZZOLAN-FLY ASH	Separation Technologies Longview Power_CODE 146	1375 Fort Martin Rd	Maidsville, WV 26541	146	Class F
POZZOLAN-FLY ASH	Spartan AC34, India_CODE 138		India	138	Class F
GGBF SLAG	Argos USA Tampa, FL_CODE 710	2001 Maritime Blvd	Tampa, FL 33605	710	Grade 120
GGBF SLAG	Argos USA Adana Turkey_CODE 711	Karayilan Beldesi Yani Km 27	Hatay, Turkey	711	Grade 100
GGBF SLAG	Caycem USA Adana, Turkey_CODE 712	Iskenderun Tesisi	Iskenderun, Turkey	712	Grade 100/120
GGBF SLAG	Walan Specialty Construction Products	501 Christiana Ave.	Wilmington, DE 19801	713	Grade 120
GGBF SLAG	Larfarge / Holcim Sparrows Point, MD_CODE 700	2001 Wharf Rd.	Baltimore, MD 21224	700	Grade 120
GGBF SLAG	Lehigh Camden, NJ_CODE 703	Camden Plant 595 Morgan St	Camden, NJ 08104	703	Grade 120
GGBF SLAG	Lehigh Evansville Plant_CODE 704	537 Evansville Rd	Fleetwood, PA 19522	704	Grade 120
GGBF SLAG	Lehigh Middlebranch OH_CODE 708	8282 Middlebranch Ave NE	Middlebranch, OH	708	Grade 100
SILICA FUME	Advanced Cement Technologies		Alloy, WV 25002	904	
SILICA FUME	RED Ind. Prod. Mississippi Silicon_CODE 909	80 County Road 210	Burnsville, MS	909	R-E-D Fume 102 DM
SILICA FUME	RED Ind. Prod. Mississippi Silicon_CODE 909	80 County Road 210	Burnsville, MS 38833	909	R-E-D Fume 104 OG

SILICA FUME	RED Industrial Products Henan, China_CODE 916		Henan, China	916	R-E-D Fume 102 DSEA
SILICA FUME	RED Industrial Products Henan, China_CODE 916		Henan, China	916	R-E-D Fume 106 USEA
SILICA FUME	Master Builders Solutions_CODE 905	23700 Chagrin Blvd	Cleveland, OH 44105	905	MasterLife SF 100
SILICA FUME	Elkem_CODE 908	443 County Rd	Cliffwood, NJ 07721	908	EMS 970D
SILICA FUME	Sika Corp - Lyndhurst_CODE 906	201 Polito Avenue	Lyndhurst, NJ 07071	906	Sikacrete 950 DP
SILICA FUME	GCP Applied Technologies_CODE 907	80 County Road 210	Burnsville, MS 38833	907	Force 10000 D
METAKAOLIN	Advanced Cement Technologies_CODE 910	213 Kaolin Road	Aiken, SC 29801	910	PowerPozz
METAKAOLIN	BASF Corporation_CODE 912	Highway 13 Spur	Gordon, GA 31031	912	MetaMax
METAKAOLIN	CARBO Ceramics Inc._CODE 913	2295 Wriley Road	McIntyre, GA 31054	913	Metakao
METAKAOLIN	GCP Applied Technologies_CODE 911	213 Kaolin Road	Aiken, SC 29801	911	Grace HRMK 100
METAKAOLIN	RED Industrial Products Henan, China_CODE 917		High Hill, MO	917	Dynapoz 110 CR
METAKAOLIN	Sika Corp - Aiken_CODE 914	213 Kaolin Road	Aiken, SC 29801	914	Sikacrete M-100

(25) CORRUGATED METAL PIPE PRODUCERS - Quality Assurance Division

To be included on List 25, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.26(e) and meet Road and Bridge Sec. 232.

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

****Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Manufacturer	Street Address	Location	Contact
ConTech Engineered Solutions – Greencastle PA	600 N. Washington Street	Greencastle, PA 17225	Keith Johnson 717.597.2148 krjohnson@conteches.com
ConTech Engineered Solutions – Charlotte NC	4242 Raleigh Street	Charlotte, NC 28213	Jason Keller 704.596.4226 jkeller@conteches.com
ConTech Engineered Solutions – Raleigh NC	6115 Chapel Hill Road	Raleigh, NC 27607	Dan Sullivan 919.851.2880 dsullivan@conteches.com
ConTech Engineered Solutions – Ashland KY	5726 Roberts Drive	Ashland KY 41102	JD Griffith 606.928.6404 jgriffith@conteches.com
Lane Metal Products – New Paris PA	682 Quaker Valley Road	New Paris PA 15554	Joe Kistic 814.623.1191 jkistic@lane- enterprises.com
Lane Metal Products - Dublin	200 Bagging Plant Road	Dublin, VA 24084	Paul Vaughn 540.674.4645 pvaughn@lane-enterprises.com
Smith Setzer & Sons, Inc.	4708 W. North Carolina 10	Catawba, NC 28609	Michael Setzer 828.241.3161 michael.setzer@smithsetzer.com

(26) CONCRETE PIPE PRODUCERS - Quality Assurance Division

To be included on List 26, the Producer shall follow the requirements of the Manual of Instructions Sec 204.26(d) and meet Road and Bridge Sec. 232. Producers in IDLE must contact the VDOT QA Inspector 2 weeks prior to starting work on an awarded VDOT Project

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects verify this and comply as necessary on VDOT federal aid projects.**

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Producers	Street Address	Location	Contact
Concrete Pipe & Precast - Design Rd	10364 Design Rd.	Ashland, VA 23005	Tracey Benjamin 804.752.1578 tbenjamin@concretepandp.com
Concrete Pipe & Precast - Chesapeake	3801 Cook Blvd.	Chesapeake, VA 23323	Douglas Smith 757.485.5228 dsmith@concretepandp.com
Concrete Pipe & Precast - Jessup	7955 Dorsey Run Road	Jessup, MD 20794	Anthony Gentile 443.620.5383 agentile@concretepandp.com
Concrete Pipe & Precast - Salem	2000 Salem Industrial Dr.	Salem, VA 24153	Todd Lenard 540.444.5752 mleonard@concretepandp.com
Foley Concrete Pipe	11875 NNC Hwy 150	Winston Salem, NC 27127	Eric Parrish 800.229.8525 eric.parrish@ads-pipe.com
Old Castle Precast - Croydon, PA	1900 Pennsylvania Avenue	Croydon, PA 19021	Frank Maiorana 215.788.5572 frank.moiarana@oldcastle.com
Oldcastle Infrastructure - Fayetteville (IDLE)	3960 Cedar Creek Rd.	Fayetteville, NC 28301	Elliot Taylor 919.630.7671 elliott.taylor@oldcastle.com
Oldcastle Infrastructure - Raleigh	920 Withers Road	Raleigh, NC	Elliot Taylor 919.630.7671 elliott.taylor@oldcastle.com
Permatile Concrete Pipe	100 Beacon Road	Bristol, VA 24201	Mickey Arnold 276.669.5332 marnold@permatile
Rinker Materials - Frederick	1751 Monocacy Blvd	Frederick, MD 21701	John Wohlfarth 301.698.7373 john.wohlfarth@rinkerpipe.com
Rinker Materials - Middletown	800 Industrial Drive	Middletown, DE 19709	Tim Meyer 302.378.8920 tim.meyer@rinkerpipe.com
Rinker Materials - Wilson (IDLE)	1600 Thorne Avenue	Wilson, NC 27893	Jessi Valencia 252.218.6511 jessi.valencia@rinkerpipe.com
Smith Setzer & Sons - Catawba	4708 Highway 10 W	Catawba, NC 28609	Michael N. Setzer 434.246.3791 michael.setzer@smithsetzer.com

(27) QUALIFIED SILICONE RUBBER JOINT SEALER - Chemistry Lab

To be included on List 27, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.19(l) and meet Road and Bridge Sec. 212.02(b).

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Class
Roadsaver Part# 34902	Crafco, Inc	6165 W Detroit Street	Chandler, AZ 85226	Class A
Dow Corning 888	Dow Corning Corp	3901 South Saginaw Rd	Midland, MI 48686	Class A
Tremco Spectrum 800	Tremco Incorporated	3777 Green Road	Beachwood, OH 44122	Class A
Class B: for use on newly sawn or newly constructed joints only				
Roadsver SL Part# 34903	Crafco, Inc	6165 W Detroit Street	Chandler, AZ 85226	Class B
Pecora 300SL (NTPEP, JS-2010-01-001)	Pecora Corp.	165 Wambold Rd.	Harleysville, PA	Class B
Class C: for use in newly sawn or newly constructed joints, including joints between hydraulic cement concrete pavement and asphaltic shoulders with no spalling of HCC edge				
Dow Corning 890 SL	Dow Corning Corp	3901 South Saginaw Rd	Midland, MI 48686	Class C
Tremco Spectrum 900 SL	Tremco Incorporated	3777 Green Road	Beachwood, OH 44122	Class C
SikSil 728 SL (formerly Bondaflex)	Bondaflex Technologies	995 Towbin Avenue	Lakewood, NJ 087001	Class C
Class D: to seal expansion joints on bridge decks, where rapid curing is required				
Dow Corning 902 RCS	Dow Corning Corp	3901 South Saginaw Rd	Midland, MI 48686	Class D
Wabo Silicone Seal	Watson Bowman Acme Corp.	95 Pineview Drive	Amherst, NY 14228	Class D

(28) GRAVITY FILLED POLYMERS FOR SEALING CRACKS IN HYDRAULIC CEMENT CONCRETE - Physical Lab

To be included on List 28, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Physical Lab) and meet Road and Bridge Sec. 252.02.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Type
CRACKBOND V65 HI-MOD	Adhesives Technology Corp.	450 E. Copans Rd.	Pompano Beach, FL 33064	Epoxy
Crackbond LR-321	Adhesives Technology Corp.	450 E. Copans Rd.	Pompano Beach, FL 33064	Epoxy
SIL-ACT EP-700D	Advanced Chemical Technologies	8112 SW 8th Street	Oklahoma City, OK 73128	Epoxy
Duraguard 401-100 (Low Modulus)	ChemMasters	300 Edward's Street	Madison, OH 44057	High Molecular Weight Methacrylate
Duraguard 401-3 (High Modulus)	ChemMasters	300 Edward's Street	Madison, OH 44057	High Molecular Weight Methacrylate
E-Bond 523	E-Bond	501 N.E. 33rd St.	Ft. Lauderdale, FL 33307	Epoxy
E-Bond 550 Hi-Mod Low Viscosity	E-Bond	501 N.E. 33rd St.	Ft. Lauderdale, FL 33307	Epoxy
Surepoxy HMLV	Kaufman Inc.	3811 Curtis Ave	Curtis Bay, MD 21226	Epoxy
KBP-204 P SEAL	Kwik Bond Polymers	923 Teal Drive	Benicia, CA 94510	High Molecular Weight Methacrylate
MasterSeal 630	Master Builders	2850 Gilchrist Rd	Akron, OH 44305	Methyl Methacrylate
Mark-135 Safe-T-Seal	Olin Epoxy-POLY-CARB (Blue Cube Operations)	190 Carondelet Plz	St. Louis, MO 63105	Epoxy
Percol Concrete Healer	Percol Polymerics, Inc.	17435 New Hope St	Fountain Valley, CA 92728	Urethane
Rhoca Gil HS-2K	Rhone Poulenc	5024 Westhaven Ln	Trinity, NC 27370	High Molecular Weight Methacrylate
Rhoca Gil HS-LV	Rhone Poulenc	5024 Westhaven Ln	Trinity, NC 27370	High Molecular Weight Methacrylate
Roadware 10 Minute Concrete Mender	Roadware Incorporated	381 Bridgepoint Way	South Saint Paul, MN 55075	Urethane
Sika Pronto 19	Sika Chemical Corp.	201 Polito Ave	Lyndhurst, NJ 07071	High Molecular Weight Methacrylate
Sika Pronto 19 TF	Sika Chemical Corp.	201 Polito Ave	Lyndhurst, NJ 07071	High Molecular Weight Methacrylate
Sikadur 35 Hi-Mod LV	Sika Chemical Corp.	201 Polito Ave	Lyndhurst, NJ 07071	Epoxy

Sikadur 55 SLV	Sika Chemical Corp.	201 Polito Ave	Lyndhurst, NJ 07071	Epoxy
CI-LV	Simpson Strong Tie	2505 Enterprise Circle	Batavia, IL 60510	Epoxy
CI-SLV	Simpson Strong Tie	2505 Enterprise Circle	Batavia, IL 60510	Epoxy
Deckseal	SSI Construction & Industrial Materials, Inc.	2545 Berner	Ft. Worth, TX 76111	Epoxy
Dural 335	The Euclid Chemical Company	19218 Redwood Road	Cleveland, OH 44110	Epoxy
Dural 50 LM	The Euclid Chemical Company	19218 Redwood Road	Cleveland, OH 44110	Epoxy
Sealate T70MX30	Transpo Industries/ Castek	23 River Rd.	Berwick, PA 18603	High Molecular Weight Methacrylate
Transpo T70-10	Transpo Industries/ Castek	23 River Rd.	Berwick, PA 18603	High Molecular Weight Methacrylate
Crack Sealer ULV – 2 Part	Watson Bowman Acme	95 Pineview Dr	Buffalo, NY 14228	High Molecular Weight Methacrylate Modified

(29) CHEMICAL/MECHANICAL ANCHORING SYSTEMS - Physical Lab

To be included on List 29, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Physical Lab) and meet Road and Bridge Sec. 412 & 426

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

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Product	Manufacturer	Street Address	Location	Anchor System
HS-1CC	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Ultrabond 1	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Ultrabond 1300	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Crackbond 2300 Gel	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Ultrabond Acryl 8CC	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Ultrabond ASF-1000	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Ultrabond EPX-3CC	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Ultrabond HS-200	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Ultrabond HYB-2CC	Adhesives Technology Corporation	450 E. Copans Rd.	Pompano Beach, FL 33064	Chemical
Sure-Set ACR	Aerosmith Fastening Systems	5621 Dividend Rd	Indianapolis, IN 46241	Chemical
Sure-Set PE	Aerosmith Fastening Systems	5621 Dividend Rd	Indianapolis, IN 46241	Chemical
Slam-Tite Hammer in Glass Chemical Capsule	Ankrtite Fastening Systems	2415 13th Place	Tulsa OK 74104	Chemical
CIA – Gel Epoxy	Covert Operations Long Beach, CA	1940 Freeman Ave.	Long Beach, CA 90804	Chemical
Sure Anchor Epoxy J50	Dayton Superior	1125 Byers Rd.	Miamisburg, OH 45342	Chemical
Sure Anchor I Epoxy J51	Dayton Superior	1125 Byers Rd.	Miamisburg, OH 45342	Chemical
AC100+ Gold	Dewalt	2 Powers Lane	Brewster, NY 10509	Chemical
PE 1000+	Dewalt	2 Powers Lane	Brewster, NY 10509	Chemical
Pure 50+	Dewalt	2 Powers Lane	Brewster, NY 10509	Chemical
Pure 110+	Dewalt	2 Powers Lane	Brewster, NY 10509	Chemical
AC200+	Dewalt	2 Powers Lane	Brewster, NY 10509	Chemical

Hi-Mod Gel 580,	E-Bond	501 N.E. 33rd St.	Ft. Lauderdale, FL 33307	Chemical
Hi-Mod Gel 590	E-Bond	501 N.E. 33rd St.	Ft. Lauderdale, FL 33307	Chemical
Hi-Mod Gel 592	E-Bond	501 N.E. 33rd St.	Ft. Lauderdale, FL 33307	Chemical
Dural Fast Set Epoxy Gel	Euclid Chemical	19218 Redwood Rd.	Cleveland, OH 44110	Chemical
Dural HS Gel	Euclid Chemical	19218 Redwood Rd.	Cleveland, OH 44110	Chemical
Dual ICC Gel	Euclid Chemical	19218 Redwood Rd.	Cleveland, OH 44110	Chemical
Futura Bond 566R	Futura Companies	795 Glendale Rd	Scottsdale, GA 30079	Chemical
Fixmaster Anchor Bolt Grout HP	Henkel Corporation	1 Henkel Way	Rocky Hill, CT 06067	Chemical
Hilti Hit-HY 10 Plus	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Chemical
Hilti Hit-HY 100	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Chemical
Hilti HIT-HY 200-A V3	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Chemical
Hilti HIT-HY 200-R V3	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Chemical
Hilti HIT-RE 10	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Chemical
Hilti HIT-RE 100	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Chemical
Hilti HIT-RE 500 V3	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Chemical
Epcon Systems	ITW Ramset/Red Head	155 Harlem Ave.	Wooddale, IL 60191	Chemical
Epcon System Acrylic 7	ITW Ramset/Red Head	155 Harlem Ave.	Wooddale, IL 60191	Chemical
Red Head A7+	ITW Ramset/Red Head	155 Harlem Ave.	Wooddale, IL 60191	Chemical
Red Head C6+	ITW Ramset/Red Head	155 Harlem Ave.	Wooddale, IL 60191	Chemical
Red Head G5+	ITW Ramset/Red Head	155 Harlem Ave.	Wooddale, IL 60191	Chemical
True Grip 590	J. Dedoes, Inc.	28850 Haas Rd	Wixom, MI 48393	Chemical
Surepoxy 117 Epoxy Anchoring System	Kaufman Products, Inc.	3811 Curtis Ave	Baltimore, MD 21230	Chemical
Surepoxy 116 Epoxy Anchoring System	Kaufman Products, Inc.	3811 Curtis Ave	Baltimore, MD 21230	Chemical
Keligrit	Kelken Gold, Inc.	550 Hartle Street Suite C	Sayreville, NJ 08872	Chemical
Keligrout/ Keligrout 101	Kelken Gold, Inc.	550 Hartle Street Suite C	Sayreville, NJ 08872	Chemical

Kelipoxy II	Kelken Gold, Inc.	550 Hartle Street Suite C	Sayreville, NJ 08872	Chemical
Burke E Anchor	Meadow Burke	7000 Will Rogers Blvd	Ft Worth, TX 76140	Chemical
CIA Gel 6000 GP	Mitek			Chemical
Liquid ROC 300 Capsule	MKT Fastening, LLC	1 Gunnebo Dr,	Lonoke, AR 72086	Chemical
Liquid ROC 300 Twin Tube	MKT Fastening, LLC	1 Gunnebo Dr,	Lonoke, AR 72086	Chemical
Mark-198.1	Olin Epoxy-POLY-CARB (Blue Cube Operations LLC)	190 Carondelet Plz	St Louis, MO 63105	Chemical
PolyBac/Polyject 1257-58	PolyGem, Inc. West	1105 Carolina Dr	West Chicago, IL 60185	Chemical
PolyBac/Polyject 1605	PolyGem, Inc. West	1105 Carolina Dr	West Chicago, IL 60185	Chemical
Anchor Loc	Schul International Co.	5999 Goshen Springs RD	Norcross, GA 30071	Chemical
Anchor Fix-1	Sika Corp.	201 Polito Avenue	Lyndhurst, NJ 07071	Chemical
Anchor Fix 2	Sika Corp.	201 Polito Avenue	Lyndhurst, NJ 07071	Chemical
Sikadur Anchor Fix 500	Sika Corp.	201 Polito Avenue	Lyndhurst, NJ 07071	Chemical
Sikadur AnchorFix 3001	Sika Corp.	201 Polito Avenue	Lyndhurst, NJ 07071	Chemical
Sikadur Injection Gel	Sika Corp.	201 Polito Avenue	Lyndhurst, NJ 07071	Chemical
AT Acrylic	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Chemical
AT-XP	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Chemical
ET-HP	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Chemical
EDOT	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Chemical
SET	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Chemical
SET –XP	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Chemical
DBA-5	Superior Epoxies Coatings	2527 Lantrac CT	Decatur, GA 30035	Chemical
Unisorb Capsule Anchor	Unisorb, Inc.	4117 Felters Rd	Jackson, MI 49254	Chemical
Propoxy 300	Unitex	3131 Opportunity CT	Dayton, OH 45342	Chemical
Propoxy 300 fast	Unitex	3131 Opportunity CT	Dayton, OH 45342	Chemical
X-Tite ResiLoc EX22	X-Calibur Construction Systems, Inc.	11471 Interchange Circle	Miramar, FL 33025	Chemical
Power-Bolt	Dewalt	2 Powers Lane	Brewster, NY 10509	Mechanical
Power-Stud	Dewalt	2 Powers Lane	Brewster, NY 10509	Mechanical
Wedge-Bolt	Dewalt	2 Powers Lane	Brewster, NY 10509	Mechanical
Drillco Maxi-Bolt	Drillco Devices	10-05 35th Ave	Long Island, NY 11106	Mechanical

Hilti Kwik Bolt 3 Exp Anchor	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Mechanical
Hilti HDI Anchor	Hilti, Inc.	Hausmannsfeld 31	Oberhausen, Germany	Mechanical
Tru Bolt Wedge Anchor	ITW Ramset/Red Head	155 Harlem Ave.	Wooddale, IL 60191	Mechanical
Liebig Safety Bolts	Liebig International	1545 Avon St. Ext	Charlottesville, VA 22902	Mechanical
Sup-R-Stud	MKT Fastening, LLC	1 Gunnebo Dr,	Lonoke, AR	Mechanical
Drop-In	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Mechanical
Sleeve-All	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Mechanical
Titen HD	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Mechanical
Wedge-All	Simpson Strong-Tie Co.	2600 International St	Colombus, OH 43228	Mechanical

Note: Chemical and Mechanical Anchors are not to be used in direct tension or overhead applications

(30) HYDRAULIC CEMENT CONCRETE SEALANTS, STAINS, & COATINGS - Physical Lab

To be included on List 30, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.13 and meet Road and Bridge Sec. 412 & 428.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

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Product	Manufacturer	Street Address	Location	Type	VOC Level	Description
FX 441	Fox Industries	3100 Falls Cliff Rd	Baltimore, MD 21211	HCC ANTIGRAFFITI	340 g/L	Anti-Graffiti system
CoatMasters Anti- Graffiti Coating	IMRAE Corporation	41725 Elm Street, Suite 202	Murrieta, CA 92562	HCC ANTIGRAFFITI	< 100 g/L	A modified silicon acrylic systems.
Graffiti Gard IV	Tex-Cote LLC	2422 East 15th St.	Panama, City FL 32405	HCC ANTIGRAFFITI	< 50 g/l	A two-component, aliphatic urethane coating that resists graffiti
Anti-Graffiti Coating B97C00150	Sherwin-Williams	101 W. Prospect Avenue	Cleveland, OH 44115	HCC ANTIGRAFFITI	< 250 g/L	A ready-to-use siloxane coating that cures with atmospheric moisture.
Prmakote	Visual Pollution Technologies	7642 E Gray Rd 102	Scottsdale, AZ 85260	HCC ANTIGRAFFITI	220 g/L	Dries and protects in 24 hours
Graffiti-Pruf	Visual Pollution Technologies	7642 E Gray Rd 102	Scottsdale, AZ 85260	HCC ANTIGRAFFITI	0 g/L	Completely non-toxic liquic, water-based emulsion used for protecting surfaces from graffiti, atmospheric polution and corrosion
Textured DOT	ChemMasters	300 Edwards Street	Madison, OH 44057	HCC COATINGS	NA	Water based 100% acrylic decorative coating.
MasterProtect HB 400	Master Builders Solutions US	23700 Chagrin Blvd	Cleveland, OH 44122	HCC COATINGS	107 g/L	A water-based 100% acrylic waterproof coating for above-grade concrete.
MasterProtect HB 400 DOT	Master Builders Solutions US	23700 Chagrin Blvd	Cleveland, OH 44122	HCC COATINGS	58 g/L	A water-based 100% acrylic waterproof coating for above-grade concrete.

MasterSeal 584	Master Builders Solutions US	23700 Chagrin Blvd	Cleveland, OH 44122	HCC COATINGS	0 g/L	A cement based, waterproof coating for concrete, brick, or block.
Hydro-Seal 75	Northern Industries Inc.	429 Tiogue Ave	Coventry, RI 02816	HCC COATINGS	0 g/L	A sprayable water-based epoxy coating that protects & preserves
Sure Klean Weather Seal H-40	Prosoco, Inc	3741 Greenway Cir	Lawrence, KS 66046	HCC COATINGS	NA	Protective silane coating.
Conflex Ultracrete Solvent Borne Smooth & Textured Coating	Sherwin-Williams	101 W. Prospect Avenue	Cleveland, OH 44115	HCC COATINGS	396 g/L	A coating designed for use on concrete.
Ultracrete Textured Coating	Sherwin-Williams	101 W. Prospect Avenue	Cleveland, OH 44115	HCC COATINGS	55 g/L	A aggregate-filled coating with outstanding color retention and durability.
Texcote 300 Bridgecote	Textured Coatings of America, Inc	4101 Ravenswood Rd. , Suite 218	Fort Lauderdale, FL 33312	HCC COATINGS	< 100 g/L	Latex acrylic coating.
Texcote XL –70	Textured Coatings of America, Inc	4101 Ravenswood Rd. , Suite 218	Fort Lauderdale, FL 33312	HCC COATINGS	400 g/L	Ready to use concrete protective coating.
Texcote XL –70W	Textured Coatings of America, Inc	4101 Ravenswood Rd. , Suite 218	Fort Lauderdale, FL 33312	HCC COATINGS	100 g/L	A water-based epoxy-acrylate resin system formulated to provide a weather-proof coating over concrete.
Tammscoat	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH	HCC COATINGS	< 100 g/L	Water based emulsion of 100% acrylic resin polymer.
Certi-Vex EnvioSmooth VOC	Vexcon Chemicals, Inc	7240 State Road	Philadelphia, PA 19135	HCC COATINGS	296 g/L	Decorative coating that covers surface blemishes and cracks.
Certi-Vex EnvioTex VOC Textured Sand	Vexcon Chemicals, Inc	7240 State Road	Philadelphia, PA 19135	HCC COATINGS	296 g/L	Decorative textured coating that covers surface blemishes and cracks.
Elastocolor Coat DOT-MOT	Mapei	1144 E. Newport Center Drive	Deerfield Beach, Florida 33442	HCC COATINGS	< 50 g/L	Application qualities and long-term performance on exposure to the environment.

Sil-Act ATS 42	Advanced Chemical Technologies	9608 North Robinson Ave	Oklahoma City, OK 73114	HCC SEALANTS	589 g/L **	Can be applied to the surface by low-pressure spray, brush, roller or squeegee. **Non-Compliant in Arlington, Fairfax, Loudoun, Prince William and Stafford Counties
Chem-Crete Pavix CCC100	Chem-Crete Corporation	800 Security Row, Suite 1	Richardson, TX 75080	HCC SEALANTS	0 g/L	A water-based penetrating product that seals concrete from moisture erosion.
Aquanil Plus 40-A	ChemMasters	300 Edwards Street	Madison, OH 44057	HCC SEALANTS	< 250 g/L	A penetrating sealer that repels moisture and water from concrete.
Silencure A	ChemMasters	300 Edwards Street	Madison, OH 44057	HCC SEALANTS	< 350 g/L	A acrylic copolymer curing and sealing compound for new concrete installations.
Protectosil 300	Evonik Industries	299 Jefferson Road	Parsippany, NJ 07054	HCC SEALANTS	340 g/L	A solvent-free silane that protects against corrosion of steel reinforcement.
Protectosil AQUA-TRETE 40	Evonik Industries	299 Jefferson Road	Parsippany, NJ 07054	HCC SEALANTS	350 g/L	A clear penetrating, water repellent for use on concrete.
Sure-Poxy Penetrating	Kaufman Products	3811 Curtis Avenue	Baltimore, MD 21226	HCC SEALANTS	610 g/L **	Epoxy penetrating sealer. **Non-Compliant in Arlington, Fairfax, Loudoun, Prince William and Stafford Counties
MasterProtect H 400	Master Builders Solutions US	23700 Chagrin Blvd	Cleveland, OH 44122	HCC SEALANTS	< 350 g/L	A water-based, 40% alkylalkoxysilane penetrating sealer.
Professional Water Sealant Super Strength	Professional Products of Kansas, Inc.	4456 S. Clifton	Wichita, KS 67216	HCC SEALANTS	< 250 g/L	One coat penetrating weather proofing formula using RTV Silicone Rubber.
SaltGuard WB	Prosoco, Inc	3741 Greenway Cir	Lawrence, KS 66046	HCC SEALANTS	< 120 g/L	Water based siloxane water repellent and chloride screen.

Sikagard 701W	Sika Corporation	201 Polito Avenue	Lyndhurst, NJ 07071	HCC SEALANTS	193 g/L	Solvent-free siloxane emulsion concentrate.
Sikagard 705L	Sika Corporation	201 Polito Avenue	Lyndhurst, NJ 07071	HCC SEALANTS	100 g/L	A low viscosity, solvent free, reactive impregnation for concrete and cementitious substrates.
Surtreat TPS II	Surtreat Holding LLC	437 Grant Street, Frick Building Suite 1210	Pittsburgh, PA 15219	HCC SEALANTS	0 g/L	A surface applied corrosion inhibitor for use on hardened concrete.
Rainstopper 400	Textured Coatings of America, Inc	4101 Ravenswood Rd. , Suite 218	Fort Lauderdale, FL 33312	HCC SEALANTS	600 g/L **	Semi-transparent solvent free resin sealer. **Non-Compliant in Arlington, Fairfax, Loudoun, Prince William and Stafford Counties
Certi-Vex Guard	Vexcon Chemicals, Inc	7240 State Road	Philadelphia, PA 19135	HCC SEALANTS	326 g/L	A clear penetrating water repellent.
Certi-Vex Guard CACS (Gray)	Vexcon Chemicals, Inc	7240 State Road	Philadelphia, PA 19135	HCC SEALANTS	385 g/L	A decorative colored penetrating water repellent sealer.
Certi-Vex Penseal 244	Vexcon Chemicals, Inc	7240 State Road	Philadelphia, PA 19135	HCC SEALANTS	< 250 g/L	A high performance, breathable, penetrating clear water repellent sealer.
Powerseal 40	Vexcon Chemicals, Inc	7240 State Road	Philadelphia, PA 19135	HCC SEALANTS	< 100 g/L	A high performance industrial and commercial grade penetrating water repellent sealer.
H&C Colortop Solvent Based Solid Color Concrete Stain/Sealer	Sherwin-Williams	101 W. Prospect Avenue	Cleveland, OH 44115	HCC STAINS	575 g/L **	Solvent based concrete stain.
H&C Colortop Waterbased Solid Color Concrete Stain/Sealer	Sherwin-Williams	101 W. Prospect Avenue	Cleveland, OH 44115	HCC STAINS	222 g/L	A low odor, water based stain.
Aquastain T-96	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	HCC STAINS	< 100 g/L	A penetrating, decorative, water-based stain.

Canyon Tone Stain	United Coatings	1 Campus Drive	Parsippany, NJ 07054	HCC STAINS	163 g/L	Pigmented stain for coloring and protecting concrete.
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(31) HYDRAULIC CEMENT CONCRETE REPAIR MATERIAL - Physical Lab

To be included on List 31, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact physical lab) and meet Road and Bridge Sec. 217.02(l)

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Type of Concrete	Description
HD 25VO	Dayton Superior Corporation	1125 Byers Road	Miamisburg, OH 45342	CONC REPAIR A3	Setting Time – Initial 18 min. Final 20 min. Compressive Strength – 2 hrs. 3,650 4 hrs. 4,620 6 hrs. 5,020 24 hrs. 5,570 28 days 7,730
Pave Patch 3000	Dayton Superior Corporation	1125 Byers Road	Miamisburg, OH 45342	CONC REPAIR A3	Setting Time – Initial 20 min. Final 24 min. Compressive Strength – 2 hrs. 5,470 4 hrs. 6,040 6 hrs. 6,270 24 hrs. 7,140 28 days 9,800
ProSpec Premium Patch V/O	H.B. Fuller Construction Adhesives	1702 Kimberly Park Dr.	Dalton, GA 30720	CONC REPAIR A3	Setting Time – Initial 17 min. Final 27 min. Compressive Strength – 2 hrs. 4,120 4 hrs. 4,530 6 hrs. 4,780 24 hrs. 5,820 28 days 8,380
Duracrete II FT	Kaufman Products Inc.	3811 Curtis Avenue	Baltimore, MD 21226	CONC REPAIR A4	Setting Time – Initial 11 min. Final 14 min. Compressive Strength – 2 hrs. 4480 4 hrs. 4730 6 hrs. 5220 24 hrs. 5030 28 days 8980

Planitop 18 ES	MAPEI	1144 East Newport Center Drive	Deerfield Beach, FL 33442	CONC REPAIR A4	Setting Time – Initial 55 min. Final 60 min. Compressive Strength – 6 hrs. 5,870 28 days 9,410
EucoRepair SCC	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	CONC REPAIR A4	Setting Time – Final 5 hrs. 10 min. Compressive Strength – 2 hrs. no strength 4 hrs. no strength 6 hrs. no strength 24 hrs. 3,060
EucoRepair V100	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	CONC REPAIR A4	Setting Time – Initial 11 min. Final 14 min. Compressive Strength – 6 hrs. 3080 28 days 5070
Commercial Grade FastSet DOT Mix	The Quikrete Companies	Five Concourse Parkway	Atlanta, GA 30328	CONC REPAIR A4	Setting Time – Initial Final Compressive Strength – 1.5 hrs. 5020 28 days 8490
Commercial Grade FastSet DOT Mix Extended	The Quikrete Companies	Five Concourse Parkway	Atlanta, GA 30328	CONC REPAIR A4	Setting Time – Initial Final Compressive Strength – 1.5 hrs. 2780 28 days 6160
ChemPatch Fast VO	ChemMasters	300 Edwards Street	Madison, OH 44057	CONC REPAIR A5	Setting Time – Initial 17 min. Final 19 min. Compressive Strength – 1 day 6,500 28 days 9,060
Rapid Set DOT Concrete Mix	CTS Cement Manufacturing Corp.	12442 Knott St.	Garden Grove, CA 92841	CONC REPAIR A5	Setting Time – Initial 30 min. Final 50 min. Compressive Strength – 2 hrs. - 4,380 4 hrs. - 7,100 6 hrs. - 8,360 24 hrs. - 6,170 28 days - 7,520

Rapid Set DOT Repair Mix	CTS Cement Manufacturing Corp.	12442 Knott St.	Garden Grove, CA 92841	CONC REPAIR A5	Setting Time – Initial 46 min. Final 51 min. Compressive Strength – 2 hrs. - 6,980 4 hrs. - 7,580 6 hrs. - 8,340 24 hrs. - 9,900 28 days 13,370
HD 50	Dayton Superior Corporation	1125 Byers Road	Miamisburg, OH 45342	CONC REPAIR A5	Setting Time – Initial 25 min. Final 28 min. Compressive Strength – 2 hrs. 3,860 4 hrs. 4,910 6 hrs. 4,990 24 hrs. 5,630 28 days 8,640
Duracrete II VOFT	Kaufman Products Inc.	3811 Curtis Avenue	Baltimore, MD 21226	CONC REPAIR A5	Setting Time – Initial 26 min. Final 34 min. Compressive Strength – 2 hrs. 2,490 4 hrs. 3,110 6 hrs. 3,350 24 hrs. 3,640 28 days 6,290
HiCap FT	Kaufman Products Inc.	3811 Curtis Avenue	Baltimore, MD 21226	CONC REPAIR A5	Setting Time – Initial 20 min. Final 34 min. Compressive Strength – 2 hrs. 1,820 4 hrs. 2,370 6 hrs. 2,780 24 hrs. 4,440 28 days 7,400
Planitop 11 SCC	MAPEI	1144 East Newport Center Drive	Deerfield Beach, FL 33442	CONC REPAIR A5	Setting Time – Initial 7 hrs. 30 min. Final 9 hrs. 50 min. Compressive Strength – 28 days 12,250
Planitop 12 SR	MAPEI	1144 East Newport Center Drive	Deerfield Beach, FL 33442	CONC REPAIR A5	Setting Time – Initial 225 min. Final 400 min. Compressive Strength – 28 days 9,100

Planitop 15	MAPEI	1144 East Newport Center Drive	Deerfield Beach, FL 33442	CONC REPAIR A5	Setting Time – Initial 185 min. Final 370 min. Compressive Strength – 6 hrs. 3,370 28 days 12,290
Planitop X	MAPEI	1144 East Newport Center Drive	Deerfield Beach, FL 33442	CONC REPAIR A5	Setting Time – Initial 13 min. Final 22 min. Compressive Strength – 2 hrs. 2390 28 days 7400
Planitop XS	MAPEI	1144 East Newport Center Drive	Deerfield Beach, FL 33442	CONC REPAIR A5	Setting Time – Initial 34 min. Final 49 min. Compressive Strength – 6 hrs. 2090 28 days 7040
Planitop 18 TG	MAPEI	1144 East Newport Center Drive	Deerfield Beach, FL 33442	CONC REPAIR A4	Setting Time – Initial 10 min. Final 19 min. Compressive Strength – 2 hrs. - 5,030 4 hrs. - 6,810 6 hrs. - 7,240 24 hrs. - 9,3090 28 days 12,830
Phoscrete Formula 1-HC	Phoscrete Corporation	1800 NW 15th Ave Suite 130	Pompano Beach, FL 33069	CONC REPAIR A5	Setting Time – Initial 7 min. Final 9 min. Compressive Strength – 1 hrs. 7,640 3 hrs. 9,640 24 hrs. 10,000 28 days 11,680
Sikacrete 211 SCC Plus	Sika Corporation	201 Polito Avenue	Lyndhurst, NJ 07071	CONC REPAIR A5	Setting Time – Initial 28 min. Final 70 min. Compressive Strength – 2 hrs. no measurable strength 4 hrs. no measurable strength 6 hrs. no measurable strength 24 hrs. 2,500 28 days 9,050

SikaCrete 421 CI Rapid	Sika Corporation	201 Polito Avenue	Lyndhurst, NJ 07071	CONC REPAIR A5	Setting Time – Initial 15 min. Final 31 min. Compressive Strength – 2 hrs. 3,563 4 hrs. 4,612 6 hrs. 4,856 24 hrs. ,6,006 28 days 7915
SikaQuick 2500	Sika Corporation	201 Polito Avenue	Lyndhurst, NJ 07071	CONC REPAIR A5	Setting Time – Initial 32 min. Final 57 min. Compressive Strength – 2 hrs. 4,130 4 hrs. 4,350 6 hrs. 4,410
SikaQuick VOH	Sika Corporation	201 Polito Avenue	Lyndhurst, NJ 07071	CONC REPAIR A5	Setting Time – Initial 12 min. Final 25 min. Compressive Strength – 2 hrs. 2,120 4 hrs. 4,750 6 hrs. 5,580
RepCon 928	SpecChem, LLC	1511 Baltimore Ave, Suite 600	Kansas City, MO 64108	CONC REPAIR A5	Setting Time – Initial 23 min. Final 35 min. Compressive Strength – 3 hrs. 5210 28 days 11940
Tamms Form and Pour	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	CONC REPAIR A5	Setting Time – Initial 55 min. Final 60 min. Compressive Strength – 1 day 7364 28 days 11,968
EucoRepair SCC Fast	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	CONC REPAIR A5	Setting Time – Initial 51 min. Final 87 min. Compressive Strength – 2 hrs. 980 4 hrs. 1,940 6 hrs. 3,540 24 hrs.4,260 28 days 7,940

Versaspeed 100	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	CONC REPAIR A5	Setting Time – Initial 9 min. Final 17 min. Compressive Strength – 2 hrs. 3,700 4 hrs. 4,090 6 hrs. 4,160 24 hrs. 4,260 28 days 7,770
Rapid Road Repair CA	The Quikrete Companies	Five Concourse Parkway	Atlanta, GA 30328	CONC REPAIR A5	Setting Time – Initial 26 min. Final 50 min. Compressive Strength – 1.5 hrs. 5,430 3 hrs. 6,650 8 hrs. 7,970 24 hrs. 8,400 28 days 11,140
Rapid Road Repair CA Extended	The Quikrete Companies	Five Concourse Parkway	Atlanta, GA 30328	CONC REPAIR A5	Setting Time – Initial 12 min. Final 25 min. Compressive Strength – 2 hrs. 3,980 3 hrs. 4,310 4 hrs. 4,580 24 hrs. 5,230 28 days 7,120

(32) STABILIZERS FOR ASPHALT MIXTURES - Asphalt Lab

To be included on List 32, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the future (contact asphalt lab) and meet Road and Bridge Sec. 248.02(e).

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Minimum
Gilsonite HMA modifier	American Gilsonite co.	29950 Bonanza Hwy	Bonanza, UT 84008	replaces 8% by weight of asphalt
Trinidad Lake Asphalt	Trinidad Asphalt Co. of America	Trinidad	West Indies	replaces 25% by weight of asphalt
BoniFibers	Kapejo, INC.	P.O Box 649	New Castle, DE 19803	6 pounds per ton of total mix
Petroflex 402-1N	GRC Materials Co.			6 pounds per ton of total mix
Fiber Plus 3010	Fiberized Products	3783 Killbride Court	Columbus, OH 43221	6 pounds per ton of total mix
P440 Natural Fibers	Advanced Fiber Solutions	19 Norfolk Ave	South Easton, MA 23750	6 pounds per ton of total mix

(33) SHOTCRETE/GUNITE MIXTURES - Physical Lab

To be included on List 33, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact physical lab) and meet Road and Bridge Sec. 412.02(e).

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Notes
Eucoshot	Euclid Chemical Company	19215 Redwood Rd	Cleveland, OH 44110	Silica fume, modified shotcrete
Eucoshot F	Euclid Chemical Company	19215 Redwood Rd	Cleveland, OH	Silica fume, modified with polypropylene reinforcing fibers.
Eucoshot FM	Euclid Chemical Company	19215 Redwood Rd	Cleveland, OH	Silica fume, modified with polypropylene fibers
Eucoshot Supreme	Euclid Chemical Company	19215 Redwood Rd	Cleveland, OH	Latex modified shotcrete
FX-288 Micro Silica Fiber	Fox Industries	3100 Falls Cliff Rd	Baltimore, MD 21211	Reinforced Shotcrete Mortar
Amerimix Shotcrete 300	Oldcastle	10300 Pulaski Hwy	White Marsh, MD 21160	Portland cement, well graded aggregates, microsilica and special additives to improve adhesion and reduce rebound.
Amerimix Shotcrete 300V	Oldcastle	10300 Pulaski Hwy	White Marsh, MD 21160	Portland cement, well graded aggregates microsilica and polypropylene fibers.
Quikrete Shotcrete MS	The Quickcrete Company	500 Marathon Pkwy	Lawrenceville, GA 30046	With polypropylene fibers
ShotPatch 21F	BASF Construction Chemicals, LLC	889 Valley Park Dr S	Shakopee, MN 55379	Silica fume enhanced, fiber reinforced shotcrete
SikaCem 103	Sika Corp	201 Polito Ave	Lyndhurst, NJ 07071	
SureShot Shotcrete	Kaufman Products, Inc	3811 Curtis Avenue	Baltimore, MD 21226	Portland cement, specially proportioned aggregates microsilica and polypropylene fibers.
Gunite 2020	US Concrete Products	16 Greenmeadow Dr 111	Timonium, MD 21093	Portland cement, aggregates, Poly fibers and Silica Fume.

Gunite 7001D	US Concrete Products	16 Greenmeadow Dr 111	Timonium, MD 21093	Portland cement, aggregates, Poly fibers and Silica Fume.
Gunite 7001DA	US Concrete Products	16 Greenmeadow Dr 111	Timonium, MD 21093	Portland cement, aggregates, Poly fibers and Silica Fume.

(34) CONCRETE PRECAST PRODUCERS - Quality Assurance Division

To be included on List 34, the Producer shall follow the requirements of the Manual of Instructions Sec 204.27 and meet Road and Bridge Sec. 302 & 519. Producers in IDLE must contact the VDOT QA Inspector 2 weeks prior to starting work on an awarded VDOT Project

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Producers	Street Address	Location	Contact
Allied Concrete - A Division of Chaney Enterprises	900 N. Bayard Avenue	Waynesboro, VA 22980	Ethan Simmons 434.981.9490 esimmons@alliedconcrete.com
American Stone Virginia, LLC (IDLE)	8179 Arba Ave. Ladysmith	Ladysmith, VA 22501	Raymond Hess 804.488.9460 ray.hess@asiprecast.com
Atlantic Metrocast, Inc	3904 Burtons Point Road	Portsmouth, VA 23704	Allen Jones 301.751.3694 ajones@atlanticmetrocast.com
Boxley (ReCon)	139 Healing Springs Road Blue Ridge	Blue Ridge, VA 24064	Tom Miles 540.521.9587 tom.miles@boxley.com
C.T. Jamison (*P)	865 Algoma Road	Callaway, VA 24067	Stan Chopski 540.483.5944 stan@ctjamison.com
C.T. Jamison (*P)	1910 Chapman Ave SW	Roanoke, VA 24016	John Turner 540.343.5121 jt@mcp-va.com
Carr Precast Concrete (*P)	7519 Plain View Highway Dunn	Dunn, NC 28334	Tracey Sprague 910.892.1151 tracey.sprague@carrprecast.com
Coastal Precast Systems Cape Charles	1134 Bayshore Drive	Cape Charles, VA 23310	Daniel Morefield 757.545.5215 dmorefield@csprecast.com
Coastal Precast Systems - Chesapeake	1316 Yacht Dr.	Chesapeake, VA 23320	Daniel Morefield 757.545.5215 dmorefield@csprecast.com
Concrete Pipe & Precast - Ashland	11352 Virginia Precast Rd.	Ashland, VA 23005	Mike Fritz 804.752.1447 mfritz@concretepandp.com
Concrete Pipe & Precast –Ashland Hanover	10364 Design Rd.	Ashland, VA 23005	Tracey Benjamin 804.752.1311 tbenjamin@concretepandp.com
Concrete Pipe & Precast - Chesapeake	3801 Cook Blvd.	Chesapeake, VA 23323	Doug Smith 757.485.5228 dsmith@concretepandp.com
Concrete Pipe & Precast - Greencastle	401 South Carlisle Street	Greencastle, PA 20794	Todd Epperly 304.267.5660 tepperly@concretepandp.com
Concrete Pipe & Precast - Harrisonburg	210 Stone Spring Road	Harrisonburg, VA 22801	Rod Morrison 540.434.6979 rmorrison@concretepandp.com
Concrete Pipe & Precast – Jessup MD	7955 Dorsey Run Road	Jessup, MD 25405	Shawn Lyles 443.620.5585 slyles@concretepandp.com
Concrete Pipe & Precast – Martinsburg WV	405 Corning Way	Martinsburg, WV 24155	Todd Epperly 304.267.5660 tepperly@concretepandp.com
Concrete Pipe & Precast – Salem VA	2000 Salem Industrial Drive	Salem, VA 19507	Chris Vandergift 540.444.5750 cvandergift@concretepandp.com

Concrete Specialties, Inc. (CSI)	1420 16th Street SE	Roanoke, VA 24014	Dylan White 540.342.6600 dwhite@scrossi.com
Contractors Precast Corp.	3200 Patuxent River Road	Davidsonville, MD 21035	Ron Turpin 301.261.4730 ronturpin@contractorsprecast.com
Curtis Contracting, Inc.	7481 Theron Rd.	West Point, VA 23181	Bill Richards 804.843.4633 b.richards@curticcontracting.net
Eastern Vault	460 Courthouse Road	Princeton, WV 24740	Kyle Bowling 304.425.8955 kbowling@americanblock.net
Faddis Concrete Products – King George	11023 Dennis W. Kerns Pkwy	King George, VA 24485	Joe Merry 540.775.4546 jmerry@faddis.com
Foley Concrete Pipe	11875 N NC Hwy 150	Winston-Salem, NC 27127	Doug Shell 336.764.0341 doug.shell@ads-pipe.com
Gillespie Precast – Plant 1	100 Dixon Drive	Chestertown, MD 21620	James Talbot 800.638.6884 jtalbott@gillespieprecast.com
Gillespie Precast – Plant 2	100 Brickyard Road	Chestertown, MD 21620	James Talbot 800.638.6884 jtalbott@gillespieprecast.com
K. J. Williams Concrete Co., Inc.	15213 McMullen Highway	Cresaptown, MD 21505	Jeff Zumbrun 301.729.0303 jzumbrun@jkwilliamsconcrete.com
Lindsay Precast	2675 US Hwy 1	Franklinton, NC 27525	Taylor Satterwhite 919.495.2438 tsatterwhite@lindsayprecast.com
Mack Industries, Inc. (IDLE)	4879 Hwy 301 (S. Church St.)	Sharpsburg, NC 27878	Greg Stocks 866.977.6225 gstocks@mackconcrete.com
Modern Precast	7860 Kabik Ct	Woodbine, MD 21797	Rober Buelte 443.340.5251 rbuelte@mficoncrete.com
Nansemond Precast Concrete Co.	3737 Nansemond Pkwy	Suffolk, VA 23435	Brandon McConnell 757.538.2761 bmccConnell@npccva.com
Oldcastle Precast – Edgewood MD	1401 Trimble Road	Edgewood, MD 21040	Steve Wilcox 410.612.1213 stevewilcox@oldcastle.com
Oldcastle Precast - Fredericksburg	5115 Massaponax Church Rd	Fredericksburg, VA 22407	David Bogar 540.322.5692 david.bogar@oldcastle.com
Oldcastle Precast Products – Fuquay- Varnia NC	1431 Product Road	Fuquay-Varina, NC 27526	Elliot Taylor 919.630.7671 elliottaylor@oldcastle.com
Precast Solutions	7121 Choctaw Court Browns	Summit, NC 27214	Chad Harrell 336.656.7991 charrell@precast-solution.com
Permatile Concrete Products Co.	100 Beacon Road	Bristol, VA 24201	Mickey Arnold 423.340.6060 marnoldjr@gmail.com
Rinker Materials	1751 Monocacy Blvd	Frederick, MD 21701	Bruce Peckens 301.698.7373 bruce.peckens@rinkerpipe.com

Rockingham Precast	3330 Kratzer Road	Harrisonburg, VA 22802	Chris Cornett 540.433.8282 chris.cornett@conmatgroup.com
Ross Prestress (IDLE)	1870 Highway 11 West	Bristol, TN 37620	R. Merritt 423.323.1777 rmerritt@rossprestress.com
Smith Carolina Corporation – Reidsville NC	654 Freeway Drive	Reidsville, NC 27320	Mike Vanhooose 843.330.3033 mvanhooose@smith-carolina.com
Smith Midland Corporation - Midland	5119 Catlett Road	Midland, VA 27728	Vaughncarl Gardner 540.439.3266 vgardner@smithmidland.com
Stonewall Precast, Inc.	2506 Back Road	Woodstock, VA 22664	April Reedy 540.459.5024 areedy@shentel.net
Winchester Precast (formerly WBS)	2001 Millwood Pike	Winchester, VA 22602	Scott Armstrong 540.667.2301

(35) FIBERS FOR USE IN HYDRAULIC CEMENT CONCRETE - Physical Lab

To be included on List 35, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact physical lab) and meet Road and Bridge Sec. 217.11 & 412

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

**Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.

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Code & Product	Manufacturer	Street Address	Location	Buy America
Steel Fibers Type I (ASTM A820)				
3D 45/35 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/02	Aalst-Erembodegem, Belgium	Y
3D 45/35 BL	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/03	Aalst-Erembodegem, Belgium	Y
3D 45/50 BL	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/04	Aalst-Erembodegem, Belgium	N
3D 55/30 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/05	Aalst-Erembodegem, Belgium	N
3D 55/60 BL	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/06	Aalst-Erembodegem, Belgium	N
3D 65/35 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/07	Aalst-Erembodegem, Belgium	N
3D 65/35 GG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/08	Aalst-Erembodegem, Belgium	N
3D 65/60 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/09	Aalst-Erembodegem, Belgium	N
3D 80/30 SL	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/10	Aalst-Erembodegem, Belgium	N
3D 80/60 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/11	Aalst-Erembodegem, Belgium	Y
3D 80/60 GG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/12	Aalst-Erembodegem, Belgium	Y (Special order) / N
4D 65/35 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/13	Aalst-Erembodegem, Belgium	N
4D 65/50 BL	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/14	Aalst-Erembodegem, Belgium	N
4D 65/60 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/15	Aalst-Erembodegem, Belgium	N
4D 80/60 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/16	Aalst-Erembodegem, Belgium	Y
5D 65/60 BG	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/17	Aalst-Erembodegem, Belgium	N
RC 80/30 BP	Bekeart Wire Co.	SkylinE40 - Korte Keppestraat 23/18	Aalst-Erembodegem, Belgium	N
Helix 5-25	Helix Steel	2300 Washtenaw Ave, Suite 201	Ann Arbor, MI 48104	Y
Helix 8-50	Helix Steel	2300 Washtenaw Ave, Suite 201	Ann Arbor, MI 48104	Y
Helix 8-52	Helix Steel	2300 Washtenaw Ave, Suite 201	Ann Arbor, MI 48104	Y
0.200 x 13mm	Tokusen USA, Inc.	1500 S. Amity Road	Ann Arbor, MI 48104	Y
Glass Fibers Type II (ASTM C1116)				
None listed at this time				
Synthetic Fibers Type III (ASTM D7508)				
FiberForce 750	ABC Polymer / Advanced Fiber Solutions	403 Powderhorn Road	Laurens, SC 29360	N/A
FiberForce 500	ABC Polymer / Advanced Fiber Solutions	403 Powderhorn Road	Laurens, SC 29360	N/A

FiberForce 300	ABC Polymer / Advanced Fiber Solutions	403 Powderhorn Road	Laurens, SC 29360	N/A
FiberForce 150	ABC Polymer / Advanced Fiber Solutions	403 Powderhorn Road	Laurens, SC 29360	N/A
FiberForce 100	ABC Polymer / Advanced Fiber Solutions	403 Powderhorn Road	Laurens, SC 29360	N/A
Nycon XL-100	ALP Supply	300 Ben Fairless Drive	Fairless Hills, PA 19030	N/A
Barchip 48	Barchip	PO Box 460	Waxhaw, NC 28173	N/A
MasterFiber F100	BASF	23700 Chagrin Boulevard	Cleveland, OH 44110	N/A
MasterFiber M 100	BASF	23700 Chagrin Boulevard	Cleveland, OH 44110	N/A
MasterFiber M 70	BASF	23700 Chagrin Boulevard	Cleveland, OH 44110	N/A
MasterFiber MAC 360	BASF	23700 Chagrin Boulevard	Cleveland, OH 44110	N/A
MasterFiber MAC Matrix	BASF	23700 Chagrin Boulevard	Cleveland, OH 44110	N/A
MasterFiber MAC 100	BASF	23700 Chagrin Boulevard	Cleveland, OH 44110	N/A
U-MIX 4700	Bekaert Wire Co.	SkylinE40 - Korte Keppestraat 23/02	Aalst-Erembodegem, Belgium	N/A
Tuf Strand MaxTen	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	N/A
Tuf StrandSF	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	N/A
PSI Fiberstrand 100	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	N/A
PSI Fiberstrand F	The Euclid Chemical Company	19215 Redwood Road	Cleveland, OH 44110	N/A
Forta-Ferro	Forta Concrete Fiber	100 Forta Dr	Grove City, PA 16127	N/A
Econo-Net	Forta Concrete Fiber	100 Forta Dr	Grove City, PA 16127	N/A
Econo-Mono	Forta Concrete Fiber	100 Forta Dr	Grove City, PA 16127	N/A
Sinta F19	GCP Applied Technologies Inc.	62 Whittemore Avenue	Cambridge, MA 02140	N/A
Fibermesh 150 e3	Sika	4019 Industry Dr	Chattanooga, TN 37416	N/A
Fibermesh 150 F	Sika	4019 Industry Dr	Chattanooga, TN 37416	N/A
Fibermesh 300 e3	Sika	4019 Industry Dr	Chattanooga, TN 37416	N/A
Enduro Prime	Sika	4019 Industry Dr	Chattanooga, TN 37416	N/A

Natural Fibers Type IV (ASTM D7357)

None listed at this time

(38) PIPE REHABILITATION SYSTEMS FOR METHOD B (Flexible Pipe Liner) - Soils Lab

To be included on List 38, the Vendor/Installer shall follow the requirements of the Manual of Instructions to be published in near future (contact Soils Lab) and meet Special Provision SP302-000140-01

https://www.virginiadot.org/business/resources/const/VDOT2016_3Specs.pdf

For additions or deletions to the list, contact the Materials Division "Soils Lab".

****Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Code & Product	Vendor / Installer	Street Address	Location	Notes
Category A - Cured in Place Pipe (CIPP)				
Applied felts/Ferra Tex Liner	Applied Felts/Ferra Tex	450 College Drive	Martinsville, VA 24114	Applicable diameter range: 6" – 120"
Alphaliner	Reline America, Inc.	24024 Frederick Road	Clarksburg, MD 20871	Applicable diameter range: 6"-72"
iMPREG GRP UV Liner	iMPREG LLC	8000 Whitepine Rd.	Richmond, VA 23237	Applicable diameter range: 6" – 72"
InLiner	Inliner Solutions, LLC	4520 North State Road 37	Orleans, IN 47452	Applicable diameter range: 6" – 90"
Insituform	Insituform Technologies, LLC	3016 North US Highway 301, Suite #900	Tampa, FL 33619	Applicable diameter range: 6" and greater
National Liner	National Liner, LLC	N48 W22953 Commerce Center Dr.	Pewaukee, WI 33851	Applicable diameter range: 6" – 84"
New Life Liner System	Stephen's Technologies, Inc.	31004 Highway 27, PO Box 478	Lake Hamilton, FL 33851	Applicable diameter range: 3" – 48"
Premier Pipe USA	AM-Liner East, Inc.	601 Jack Enders Blvd.	Berryville, VA 20117	Applicable diameter range: 6" and greater
HammerHead Point Repair Solutions	HammerHead Trenchless	500 South C.P. Ave	Lake Mills, WI	Applicable diameter range: 3"-60"
SAERTEX-LINER	SAERTEX MultiCom LP	12200 Mt Holly-Huntersville Rd	Huntersville, NC 28708	Applicable diameter range: 6" – 52"
Terra Verde Liner	Tri-State Utilities	2111 Smith Avenue	Chesapeake, VA 23320	(Felt Liner, GRP-Felt Liner, CIPP Corp Felt Liner, CIPP Corp GRP-Felt Liner) (Felt Liners 3" – 100") (GRP-Felt Liners 8" – 100")
Trelleborg epros® DrainPacker repair system	Mobile Dredging and Video Pipe, Inc.	11420 Old Baltimore Pike	Beltsville, MD 20705	Applicable diameter range: 8" – 72"
Category B - Fold and FormFlexible Liner				
Dyna-Liner Warrior Thermoform	Capital City Services	5404 Sandy Valley Road	Mechanicsville, VA 23111	Applicable diameter range: 4" – 36"
IPEX NovaForm PVC Liner System	Snyder Environmental Systems, Inc.	270 Industrial Blvd.	Kearneysville, WV 25430	Applicable diameter range: 6" – 30"
Category C - HDPE, PVC, Polypropopylene (PP), or Fiberglass slip liners				

Centrifugally Cast Fiberglass Reinforced Polymer Mortar Pipe	Hobas Pipe USA, Inc.	1413 Richey Road	Houston, TX 77073	Applicable diameter range: 18" – 126"
CONTECH A-2 PVC Corrugated Pipe	Contech Engineered Solutions LLC	9025 Centre Pointe Drive, Suite 400	West Chester, OH 45069	Applicable diameter range: 12" – 36"
Glass Reinforced Plastic Pipe (GRP/FRP)	Channeline International-Structural GRP Lining Systems	2841 Tuner Road	Auburn, ME 04210	Applicable diameter range: 12" – 192"
HDPE Corrugated Pipe	Advanced Drainage Systems, Inc.	510 Factory Street	Buena Vista, VA 24416	Applicable diameter range: 4" – 60"
InnerFlow HDPE Solid Wall pipe	Contech Engineered Solutions LLC	9025 Centre Pointe Drive, Suite 400	West Chester, OH 45069	Applicable diameter range: 8" – 63" (Note that pipe outside diameters of 12"-63" are not covered by AASHTO M326.)
Spirolite HDPE Profile Wall Pipe	ISCO Industry, Inc.	100 Witherspoon St.	Louisville, KY 40202	Applicable diameter range: 18" – 120"
Link-Pipe SST-316 sleeves	Capital City Services	5404 Sandy Valley Road	Mechanicsville, VA	Applicable diameter range: 4" – 48", joint and point repair (May only be used on non-federally funded projects due to steel being foreign.)
Link-Pipe PVC sleeves	Capital City Services	5404 Sandy Valley Road	Mechanicsville, VA	Applicable diameter range: 36" – 120"
Polypropylene Corrugated Pipe	Advanced Drainage Systems, Inc.	510 Factory Street	Buena Vista, VA 24416	Applicable diameter range: 12" – 60"
Quick Lock	Uhrig-Rausch USA	4757 Innovation Way	Chambersburg, VA 17201	Applicable diameter range: 6" – 32", joint and point repair (May only be used on non-federally funded projects due to steel being foreign.)
Quick Lock	Capital City Services	5404 Sandy Valley Road	Mechanicsville, VA 23111	Applicable diameter range: 6" – 32", joint and point repair (May only be used on non-federally funded projects due to steel being foreign.)
Quick Lock	5 Star Septic	45910 Transamerica Plaza #103	Sterling, VA 45910	Applicable diameter range: 6" – 32", joint and point repair (May only be used on non-federally funded projects due to steel being foreign.)
Snap-Tite HDPE Solid Wall Pipe	PE Sales, Inc.	PO Box 461	Perry Hall, MD 21128	Applicable diameter range: 8.75" – 84" (Note that pipe outside diameters of 12"-63" are not covered by AASHTO M326)
Spirally Wound PVC Pipe	Midwest Mole, Inc.	Greenfield, IN 46140	Greenfield, IN 46140	Applicable diameter range: 19" – 72" outside diameter for SL products; 8" – 36" inside diameter for DF products
Spirally Wound PVC Pipe	Sekisui SPR	4125 Welcome All Rd., Suite 100	Atlanta, GA 30349	Applicable diameter range: 18" – 144"

Weholite HDPE Profile Wall Pipe	Uponor Infra, Ltd.	6507 Mississauga Road	Mississauga, ON Canada	Applicable diameter range: 22" – 132"
Category D - Spray-On Liners				
Centri-Cast Pipe Repair Mortar	Five Star Products, Inc.	60 Parrott Drive	Shelton, CT 06484	Applicable diameter range: 30" and greater
CentriPipe	AP/M Permaform	PO Box 555	Johnston, IA 50131	Applicable diameter range: 30" and greater
Epoxytec CPP Sprayliner	Epoxytec (Epoxytec Certified Contractors)	3000 N 29 CT	Hollywood, FL 33020	Applicable diameter range: 6" and greater
Geocast/Reliner MSP	Standard Cement Materials	8000Hwy 290 East	Chappell Hill, TX 77426	Applicable diameter range: 30" and 120"
GeoKrete Geopolymer	Vortex Companies	18150 Imperial Valley Dr	Houston, TX 77060	Applicable diameter range: 30" and greater
Geospray	GeoTree Solutions	Majestic Drive, Suite 101	Lafayette, CO 80026	Applicable diameter range: 30" and greater
Horizontal Pipe Lining Mortar	A. W. Cook Cement Products	242 Amy Industrial Lane	Hoschton, GA 30548	Applicable diameter range: 18" – 192"
Madewell Horizontal Pipe Repair- ML-72	Madwell Product Corporation	7561 Industrial Court	Alpharetta, GA 30004	Applicable diameter range: 30" and greater
Madewell Horizontal Pipe Repair- ML-CL	Madwell Product Corporation	7561 Industrial Court	Alpharetta, GA 30004	Applicable diameter range: 30" and greater
OBIC 5000	OBIC, LLC	525 Winzeler Drive, Unit 1	Bryan, OH 43506	Applicable diameter range: 36" and greater
QM-1s Restore	Vortex Companies	18150 Imperial Valley Dr	Houston, TX 77060	Applicable diameter range: 30" and greater
PolySpray FS-250	HydraTech Engineered Products LLC	10448 Chester Road	Cincinnati, OH 45215	Applicable diameter range: 36" and greater
Spraywall	SprayROQ	248 Cahava Valley Parkway	Pelham, AL 35124	Applicable diameter range: 30" and greater
Mountain Grout MGP 25	Capital City Services	5404 Sandy Valley Road	Mechanicsville, VA 23111	
Nukote Aegis Structural Elastomeric Liners	Nukote Coating Systems International, LLC	4730 Consulate Plaza Drive, Suite 100	Houston, TX 77032	Applicable diameter range: 18" and greater
Warren 301-14 100% Solids	East Coast Infrastructure	113 Green Drive	Yorktown, VA 23692	Applicable diameter range: 24" and greater

(40) QUALIFIED SYSTEM W PAINTS - Chemistry Lab

To be included on List 40, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.24 and meet Road and Bridge Sec. 231.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	VOC lb/gal	Location	Approval Date
Coat: Primer #101, 3356-2 Acrylic, DFT: 2-3, Color: Brown	Carboline	350 Hanley Industrial Ct.	1.17	St. Louis, MO 63144	Jul-10
Coat: Int. #102, 3356-1 Acrylic, DFT: 2-3, Color: White	Carboline	350 Hanley Industrial Ct.	1.02	St. Louis, MO 63144	Jul-10
Coat: Finish #103 Primer, 3356-3 Acrylic, DFT: 2-3, Color: Specified	Carboline	350 Hanley Industrial Ct.	1.17	St. Louis, MO 63144	Jul-10
Coat: Finish #101 Primer, W-103 Water-Guard, DFT: 2-4, Color: #595-30045	Elite Coatings	120 Tremont St.	1.46	Gordon, GA 31031	Jan-97
Coat: Finish #102 Intermediate, W-112 Water-Guard, DFT: 2-4, Color: White	Elite Coatings	120 Tremont St.	1.29	Gordon, GA 31031	Jan-97
Coat: Finish #103 Finish, W-XXX Water-Guard, DFT: 2-4, Color: Specified	Elite Coatings	120 Tremont St.	2.01	Gordon, GA 31031	Jan-97
Coat: Primer #101, B66NW1 Acrylic DFT: 3-6, Color: Brown	Sherwin Williams	101 W. Prospect Ave.	1.79	Cleveland, OH 44115	Apr-09
Coat: Int. Int, #102, B66WW8 Acrylic, DFT: 3-6, Color: White	Sherwin Williams	101 W. Prospect Ave.	1.46	Cleveland, OH 44115	Apr-09
Coat: Finish #103, B66XXX Acrylic, DFT: 3-5, Color: Specified	Sherwin Williams	101 W. Prospect Ave.	1.87	Cleveland, OH 44115	Apr-09

(41) SUPERPAVE GYRATORY COMPACTORS FOR ASPHALT CONCRETE MIXTURES - Asphalt Lab

To be included on List 41, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact asphalt lab) and meet Road and Bridge Sec. 211.03(a).

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

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Manufacturer	Manufacturer	Street Address	Location
Model GYR-001	Interlaken Technology Corp	8175 Century Blvd.	Chaska, MN
AFGC125X	Pine Instrument	101 Industrial Drive	Grove City, PA
AFGI SGC	Pine Instrument	101 Industrial Drive	Grove City, PA
Test Model	Test Quip Inc (Gilson)	9835 13th Ave. N	Plymouth, MN
Model 4140	Troxler Electronic Lab.	3008 E Cornwallis Rd	Durham, NC
Model 5850	Troxler Electronic Lab.	3008 E. Cornwallis Rd	Durham, NC

(42) HIGH DENSITY POLYETHYLENE (HDPE) & POLYPROPYLENE PIPE (PP) - Quality Assurance Division

To be included on List 42, the Producer shall follow the requirements of the Manual of Instructions Sec 204.26(h) and meet Road and Bridge Sec. 232. **QA List 42 is for HDPE & PP Pipe and connections approval only. HDPE & PP end sections are NOT approve for use within VDOT Right of Way**

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

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Producers	Street Address	Location	Contact	Type of Pipe
Advance Drainage Systems / ADS – (Charlotte Plant)	902 East Main Avenue	Bessemer City, NC 28016	Kenya Dial 704.629.4151 or Candace Abernathy 704.477.1150	M252 – 4"-10" Type S & SP, Type C & CP M294V - 12"-60" Type S & SP, 12"-24" Type C & CP M294R – 12"-60" Type S & SP M330– 12"-60" Type S PP
Advance Drainage Systems / ADS – Buena Vista	510 Factory Street	Buena Vista, VA 24416	Chad Crookshanks 540.261.6131	M252 – 4"-10" Type C & CP M294V- 12"-30" Type S & SP, 12"-24" Type C & CP M294R – 12"-30" Type S & SP
Advance Drainage Systems / Hancor (Livermore)	121 Buck Creek Church Rd	Calhoun, KY 42327	Mark Schultz 207.733.4324	M252 – 4"-10" Type C & CP M294V - 12-30" Type S & SP, 12"-24" Type C & CP M294R – 12"-30" Type S & SP
Advance Drainage Systems / ADS – Findlay OH	12370 Jackson TR172	Findley, OH 45389	Dan Reddick 419.424.5208	M252 – 4"-10" Type C & CP M294V – 12"-60" Type S & SP, 12"-24" Type C & CP M330 – 12"-60" Type S PP
Advance Drainage Systems / ADS - Jackson, MS	205 Apache Drive	Jackson, MS 39272	Victor Rushing 478.294.9622	M252 – 4"-10" Type C & CP M294V – 12"-60" Type S & SP, 12"-24" Type C & CP M330 – 12"-60" Type S PP
Advance Drainage Systems / ADS – London OH	400 E High Street]	London, OH 43140	Bryon Walters 704.852.2980	M252 – 4"-10" Type C & CP M294V – 12"-42" Type S & SP, 12"-24" Type C & CP
Advance Drainage Systems / ADS – Ludlow MA	58 Wyoming Street	Ludlow, MA 01056	Jerry Paquette 413.589.0515	M252 – 4"-10" Type C & CP M294V – 12" – 42" Type S & SP, 12" – 24" Type C & CP
Advance Drainage Systems / ADS – Mendota IL	1600 Industrial Drive	Mendota, IL 61342	Brett Meyer 815.315.3692	M252 – 4" – 10" Type S & P, Type C & CP M294V – 12" – 60" Type S & SP, 12" – 24" Type C & CP M330 – 12"-60" Type S PP, 30"-60" Type D PP
Advance Drainage Systems / ADS – Perry GA	1005 Valley Drive	Perry, GA 31069	Jonathan Adams 478.955.6450	M252 – 4"-10" Type S & SP, Type C & CP M294V – 12" – 30" Type S & SP, 12" – 24" Type C & CP M330 – 12" – 60" Type S PP

Advance Drainage Systems / ADS – Waverly NY	1 William Donnelly Pky	Waverly, NY 14892	Micha Houghton 607.565.3000	M294V – 12” – 30” Type S & SP, 12”- 24” Type C & CP M330 12”-30” Typ3 SPP
Advance Drainage Systems / ADS – Wooster OH	Old Rt 30 West	Wooster, OH 44691	Paul Adams 330.264.4949	M252 – 4” – 10” Type C & CP M294V – 12” – 30” Type S & SP, 12” – 24” Type C & CP M330 – 12” – 30” Type S PP
Baughman Tile	8516 Road 137	Paulding, OH 45879	Eric Baughman 419.399.6302	M252 – 4” -36” Type S & SP Type C & CP M294R – 12” – 36” Type S & SP, Type C & CP
Crumpler Plastic Pipe	852 Autry Hwy	Roseboro, NC 29392	Houston L. Crumpler, III 800.334.5071	M252, M294V
Haviland Drainage Products	100 W. Main Street	Haviland, OH 45851	Greg Schafer 419.622.4611	M252, M294V, (M330 PP- Type S, 12”-30” only)
Lane Enterprises - Shippenburg	34 Strohm Road	Shippenburg, PA 17257	Jennifer Elliot 717.532.5959	M294 - 6”-60” Type S & SP, 4”-24” Type C, 4”-10” Type CP M294R - 12”-36” Type S & SP, 4”-24” Type C & CP M330 – 12”-60” Type S & SP
Lane Enterprises - Temple	2551 Wilsonart Drive	Temple, TX 76504	Jennifer Elliot 717.532.5959	M294V - 18”-60” Type S & SP, 18”,24” Type C & CP M294R - 18”-60” Type S & SP, 18”,24” Type C & CP M330 – 18”-60” Type S & SP
Lane Enterprises - Wytheville	510 Kents Lane	Wytheville, VA 24382	Jennifer Elliot 717.532.5959	M252, - 12”-36” Type S & SP, 4”-6” Type C & CP M294V - 12”-36” Type S & SP, 4”-24” Type C, 4”-6” Type CP M330 – 12”-36” Type S & SP
Prinsco, Inc	111 E Pine Street	Chatsworth, IL 60921	Nick Delong 320.222.6833	M252: 4” – 10” Type C & CP, Type S & SP M294V: 12” - 15” Type C & CP, 12 - 60” Type S & SP M330: 12” - 60” Type S PP
Soleno Inc.	1160 Hwy 133	St.-Jean-sur- Richelieu, QC	Mathieu St- Louis 450.347.7855	M252, M294V, M330
Soleno Inc.	64 North Lane	McAdam, Canada	Cyril Macfarlane 506.784.7006	M252, M294R
Southeast Culvert	1094 Bankhead Hwy	Winder, GA 30680	Tim Kitts 770.868.5599	M252, M294V, M294 R, M330

(43) WHITE AND YELLOW THERMOPLASTIC PRODUCTS (Type B, Class I) - Chemistry Lab

To be included on List 43, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.30 and meet Road and Bridge Sec. 246.01.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

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Product	Manufacturer	Street Address	Location	Color	NTPEP #
06-WAX-A1CF	Crown Technology	35 Industrial Pk Drive	Woodbury, GA 30293	White	2000-PMM-049
06-WAS-A1CF	Crown Technology	35 Industrial Pk Drive	Woodbury, GA 30293	White	2000-PMM-049
Ecotherm 06-YAX-00CF	Crown Technology	35 Industrial Pk Drive	Woodbury, GA 30293	Yellow	2000-PMM-050
W1X0645	Dobco	1 Geoffry Way	Wayne, NJ 74700	White	
Y1X0605	Dobco	1 Geoffry Way	Wayne, NJ 74700	Yellow	
Y1S0605	Dobco	1 Geoffry Way	Wayne, NJ 74700	Yellow	
Y1X0615	Dobco	1 Geoffry Way	Wayne, NJ 74700	Yellow	
Y1X0625	Dobco	1 Geoffry Way	Wayne, NJ 74700	Yellow	
884330 (VA-AK-SX-W-1)	Ennis-Flint	505 County Line Bldg C	Thomasville, NC 27360	White	2006 MS-027
885637	Ennis-Flint	505 County Line Bldg C	Thomasville, NC 27360	White	2008 PA-069
884337 (counterpart to 884330)	Ennis-Flint	505 County Line Bldg C	Thomasville, NC 27360	Yellow	PMM2008PA-072
VIATHERM	GEVEKO	1883 New Market Road	Gainsville, GA 30507	White	PMM-2020-UT- 101
VIATHERM	GEVEKO	1883 New Market Road	Gainsville, GA 30507	Yellow	PMM-2020-UT- 102
11320 - 01	Ozark Materials	591 Glendale Ave.	Greenville, AL 36037	White	PMM-2014-01-047
21320 - 01	Ozark Materials	591 Glendale Ave.	Greenville, AL 36037	Yellow	PMM-2012-01-054
Retro Therm, RRVAAW	Retro Indust.	108 N. Ash Avenue	S. Pittsburg, TN 37380	White	PMM-2018-043
Retro Therm, RRVAAY	Retro Indust.	108 N. Ash Avenue	S. Pittsburg, TN 37380	Yellow	PMM-2018-044
Swarolux	Swarco	919 N. James Campbell Blvd.	Columbia, TN 38401	Yellow	98-STR-115
Swarolux	Swarco	919 N. James Campbell Blvd.	Columbia, TN 38401	Yellow	98-STR-116

VYALF001	Swarco	919 N. James Campbell Blvd.	Columbia, TN 38401	Yellow	
VYALF002	Swarco	919 N. James Campbell Blvd.	Columbia, TN 38401	Yellow	

(44) MISCELLANEOUS MATERIALS SUPPLIERS - Quality Assurance Division

To be included on List 44, the Supplier shall follow the requirements of the Manual of Instructions Sec 112.01.

Approval does not include water and sewer line items

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

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Producers	Street Address	Location	Contact
Capitol Foundry of VA, Inc.	2856 Crusader Circle	Virginia Beach, VA 24453	Jason Corr 757.427.9431 jcorr.capitolfoundry@gmail.com
Carl M. Henshaw Drainage Products	13300 Ramblewood Drive	Chester, VA 23836	Cory Parker 804.706.1313 cory.parker@henshawdrainage.com
Cherokee Manufacturing	80 Ceramic Tile Drive	Morganton, NC 48655	Heather McMahan 828.446.7255 heather@cherokeemfg.com
Chesterfield Trading Co. Inc.	9521 Jefferson Davis Hwy	Richmond, VA 23237	Mike Liberatore 800.446.7255 mliberatore@chesterfieldtrading.com
CMC Supply, Inc.	2510 Johnson Ave NW	Roanoke, VA 24017	Tom Woolridge 540.982.1095 twooldridge@cmcsupply.com
Colonial Construction Materials – Oilville	1071 Merchants Lane	Oilville, VA 23139	Mary Brantner 804.264.0128 marybrantner.ccm@gmail.com
Colonial Construction Materials – Virginia Beach	2432 Bowland Parkway	Virginia Beach, VA 23454	Mary Brantner 804.264.0128 marybrantner.ccm@gmail.com
Const Mtls Group - Whitlock Hwy - Charlottesville	1215 E. Market Street	Charlottesville, VA 22902	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group – Whitlock Hwy - Fredericksburg	416 Hudgins Road	Fredericksburg, VA 22406	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group - Whitlock Hwy - Lynchburg	33358 Old Fellows Rd	Lynchburg, VA 24501	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group - Whitlock Hwy - Harrisonburg	380 Waterman Drive	Harrisonburg, VA 22802	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group - Whitlock Hwy - Richmond	5124 Glen Alden Drive	Richmond, VA 23231	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group - Whitlock Highway - Salem	438 Kessler Mill Road	Salem, VA 24153	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group - Whitlock Hwy. - Newport News	4801 Roanoke Avenue	Newport News, VA 23607	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group - Whitlock Hwy - Norfolk	5588 Raby Road	Norfolk, VA 23502	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Const Mtls Group - Whitlock Hwy - Winchester	240 Lenoir Drive	Winchester, VA 22603	Casey Wignall 757.812.3559 casey.wignall@conmatgroup.com
Core & Main – Evington	2 Chestnut Creek Drive	Evington, VA 24550	Sean Richey 434.525.2657 sean.richey@coreandmain.com
Core & Main - Roanoke	2820 Mary Linda Ave.	Roanoke, VA 24012	Jerry Lanham 540.342.8000 jerry.lanham@coreandmain.com
Core & Main - Sterling	44098 Mercure Circle Ste 125	Sterling, VA 20166	Louis Peon 703.260.4000 louis.peon@coreandmain.com

Country Boy Seed, Inc.	6685 Gate City Hwy	Bristol, VA 27666	Roy Barlow 276.669.1004 roy@countryboyseed.com
Eastern Supply Inc	240 McGhee Road	Winchester, VA 22603	John Wert 540.722.3292 jwert@easternsupply.com
E&R Minority Supplier LLC	201 Davis Drive	Sterling, VA 20164	Esvith Palomina-Quillama 703.932.5045 esvith@erminoritysupplier.com
Ferguson Distribution Branch	2831 Cardwell Road	Richmond, VA 23234	Aaron Lewis 804-277-2363 aaron.lewis@ferguson.com
Ferguson Waterworks - Chantilly	13900 Lowe Street	Chantilly, VA 20151	Jeff Bentley 703.375.6820 jeff.bentley@ferguson.com
Ferguson Waterworks - Chantilly	3720 Stonecroft Blvd	Chantilly VA 20157	Steve Morris 703.631.9455 steve.morris@ferguson.com
Ferguson Waterworks – Charlottesville	505 Garrett Street	Charlottesville, VA 22902	Nathan Gowen 434.971.7000 nathan.gowen2@ferguson.com
Ferguson Waterworks - Chesapeake	4156 S. Military Hwy	Chesapeake, VA 23321	Chris Rigas 757.558.8160 chris.rigas@ferguson.com
Ferguson Waterworks - Chesapeake	3734 Cook Boulevard	Chesapeake, VA 23323	Kevin Hogan 757-487-3860 kevin.hogan1@ferguson.com
Ferguson Waterworks - Danville	221 Industrial Avenue	Danville, VA 24543	Tedra Szorosy 434.792.8221 tedra.szorosy@ferguson.com
Ferguson Waterworks - Farmville	2799 W. 3rd Street	Farmville, VA 23901	Roger Dolan 434-391-3415 roger.dolan@ferguson.com
Ferguson Waterworks - Forest	2010 Graves Mill Road	Forest, VA 24551	Larry Lineberry 434.385.6600 larry.lineberry@ferguson.com
Ferguson Waterworks - Fredericksburg	311 Central Road	Fredericksburg, VA 22401	Ross Downs 540-654-5846 ross.downs@ferguson.com
Ferguson Waterworks - Manassas	9261 Industrial Court	Manassas, VA 20109	John Helmick 703.355.5184 jonathan.helmick@ferguson.com
Ferguson Waterworks - Martinsville	1202 Memorial Blvd	Martinsville, VA 24112	Timothy Cassell 276.632.2957 timothy.cassell@ferguson.com
Ferguson Waterworks - Harrisonburg	44 Reedy Circle	Mt. Crawford, VA 27841	Justin Kibler 540.434.1206 justin.kibler@ferguson.com
Ferguson Waterworks - Radford	1717 W. Main Street	Radford, VA 24141	Richard Webb 540.639.9001 richard.webb@ferguson.com
Ferguson Waterworks - Richmond	1510 Bellwood Rd	Richmond, VA 23227	Chad Dunlap 804.594.1840 chad.dunlap@ferguson.com
Ferguson Waterworks - Roanoke	3825 Blue Ridge Drive	Roanoke, VA 24018	Greg Sadler 540.769.2325 greg.sadler@ferguson.com
Ferguson Waterworks - Williamsburg	6540 Mooretown Road, Ste A	Williamsburg, VA 23188	Chad Townsend 757.220.0556 chad.townsend@ferguson.com
Ferguson Waterworks - Winchester	625 McGhee Road	Winchester, VA 22603	Isaiah Shipman 540.542.0170 isaiah.shipman@ferguson.com
Geo Products, LLC	161 Technology Park Drive	Kilmarnock, VA 22482	Jackie Barrack 804.435.7777 jrbarrack@geoproductsllc.com
Guaranteed Supply Company - Newport News	260 Picketts Lane	Newport News, VA 23603	Judy Jorgenson 757.887.0856 neportnewsbranch@gscnc.com

Guaranteed Supply Company - Norfolk	1188 Kingwood Avenue	Norfolk, VA 23502	Judy Jorgenson 757.887.0856 norfolk@gscnc.com
Guaranteed Supply Company - Richmond	2210 Magnolia Street	Richmond, VA 23223	Judy Jorgenson 757.887.0856 richmond@gscnc.com
Hanes Geo Components – Butner, NC	405 W. B Street	Butner, NC 27509	Dave Snyder 888.239.4539 dave.snyder@hanescompanies.com
Hanes Geo Components – Eldersburg MD	1332 Loundowntown Blvd.	Eldersburg, MD 21784	Lyle Pickett 410.756.9244 lyle.pickett@hanescompanies.com
Hanes Geo Components - Manassas	9435 Contractors Court	Manassas, VA 20109	Paul Nguyen 571.388.6218 peter.nguyen@hanescompanies.com
Hanes Geo Components – Winston Salem, NC	600 W. Northwest Blvd	Winston Salem, NC 27101	Dave Snyder 888.239.4539 dave.snyder@hanescompanies.com
Hawkins-Graves, Inc.	13432 Wards Road	Lynchburg, VA 24501	Scott Wood 434.847.7703 scott@hawkinsgraves.com
Heritage Home Center	1558 Fairystone Park Hwy	Stanleystone, VA 24168	Dan Cahill 276.629.2595 cahilldan@yahoo.com
Interstate Construction Product, Inc.	4300 Dorchester Road	Norton, VA 24273	Tommy Dingus 276.679.2790 tommydingus@interstate-cp.com
Jenmar Specialty Products	470 Wardell Ind. Park Road	Cedar Bluff, VA 24609	Joe Mash 276.964.7004 jnash@jenmar.com
KDM Supply, Inc.	1130 Ball Bark Road	Eagle Rock, VA 24085	Roger Kirk 540.200.7606 roger.kirk@kdmsupplyinc.com
LB Water of VA Beach	2621 Quality Court	Virginia Beach, VA 23454	Benett Davidson 757.419.8509 Benett.Davidson@lbh2o.com
Environmental / Landscape Supply - Chantilly	14805 Willard Road	Chantilly, VA 20151	Dave Racey 434.566.3752 dracey@ecsproductsva.com
Environmental / Landscape Supply – Charlottesville	2424 Richmond Road	Charlottesville, VA 22902	Darrell Camper 434.566.3752 dcamper@landscapesupplyva.com
Environmental / Landscape Supply – Richmond South	2501 Oak Lake Boulevard	Richmond, VA 23112	Dusty Bower 804.461.1977 dbower@landscapesupplyva.com
Environmental / Landscape Supply – Richmond West	12115 Ridgefield Parkway	Richmond, VA 23233	Samantha Stubbs 540.759.4155 sstubbs@landscapesupplyva.com
Environmental / Landscape Supply – Roanoke	101 Madison Ave NW	Roanoke, VA 24016	Duane Perry 540.529.8585 dperry@ecsproductsva.com
Environmental / Landscape Supply – Virginia Beach	513 Viking Drive, Suite 7	Virginia Beach VA 23452	Amy Vaughan 757.407.9840 avaughan@landscapesupplyva.com
Green Resource Sales	5204 Highgreen Ct.	Colfax , NC. 27235	Josh Marsh 336.855.6363 jmarsh@green-resource.com
Lane Metal Products - Bealton	6369 School House Rd.	Bealton, VA 22712	Annette Bliss 540.439.3201 abliss@laneenterprises.com
McPeak Supply, LLC	2010 Apperson Drive	Salem, VA 24153	Gerald McPeak 800.557.6945 gerald.mcpeak@mcpeaksupply.com
Marex Inc.	11331 Industrial Road	Manassas, VA 20109	Kelly Smith 703.330.7616 kelly@marexinc.com
Piedmont Fabrication, LLC	1320 Yacht Drive	Chesapeake, VA 23323	Lee Himelright 737.543.5570 lee@piedmontfabrication.com

RC Services	16633 Lee Highway	Bristol, VA 24202	Eddie Ramirez 276.300.0522 estimating@resus.com
RAMTOOL / DBA Whitecap - Chesapeake	700 Boundary Street	Chesapeake, VA 23324	Mark Stevens 757.366.8883 mark.stevens@ramtool.com
RAMTOOL / DBA Whitecap - Richmond	2800 Ackley Avenue	Richmond, VA 23228	David Frank 804.359.6104 david.frank@whitecap.com
SiteOne Landscape Supply	11102 Air Park Drive	Ashland, VA 23005	Scott Thomas 804.752.7017 sthomas@siteone.com
Southern Rebar and Supplies	2704 S. Roan Street	Johnson City, TN 37601	Joe Pollick 423.928.3176 joe.pollick@southernrebar.com
Virginia Contractors Supply, Inc.	9106 Owens Drive	Manassas Park, VA 20111	Archie David 703.631.6366 info@vcs- va.com
Wharton Supply, Inc. of VA	7620 Backlick Road	Springfield, VA 22150	Philip Bloxam 703.569.6660 philip.bloxam@whartonhardware.com
Whitecap - Alexandria	5902 Farrington Avenue	Alexandria, VA 22304	Roland Larson 703.738.1125 roland.larson@ramtool.com
White Cap - Bristol	1049 Island Road	Bristol, VA 24201	Rolland Scarberry 276.642.0451 roland.scarberry@whitecap.com
White Cap – Capitol Heights	9230 Alaking Court	Capitol Heights, MD 20743	Tom Nida 301.773.3800 thomas.nida@hdsupply.com
White Cap - Chantilly	3933 Avion Park Court	Chantilly, VA 20151	Christian Cuervo 703.263.0730 christian.cuervo@hdsupply.com
White Cap - Chesapeake	550 Woodlake Drive	Chesapeake, VA 23320	Mary Lucy 757.985.4442 www.whitecap.com
White Cap – Gainesville	14235 John Marshall Hwy	Gainesville, VA 20155	Andrew Goldberg 703.912.5900 andrew.goldberg@hdsupply.com
White Cap - Roanoke	3535 Brandon Ave SW	Roanoke, VA 24018	Scott McClintic 540.344.3171 scott.mcclintic@whitecap.com
White Cap - Springfield	8090 Alban Road	Springfield VA 22190	James Graham 703.270.4600 james.graham2@hdsupply.com
Woods Cold Storage & Supply	3720 Woolwine Hwy	Stuart, VA 24171	John Wood 276.694.3888 woodscold@embargmail.com

(45) QUALIFIED WOOD TREATMENT PLANTS - Chemistry Lab

To be included on List 45, the Facility shall follow the requirements of the Manual of Instructions Sec 204.29 and meet Road and Bridge Sec. 236.02(c). Certification required with each order.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Facility	Street Address	Location	Contact	Preservative	Date Approved
Acme Wood Preserving	914 South Wickham Ave.	Princeton, WV 24740	Dave Thompson 304.425.0022	CCA, Cresote	
Albemarle Wood Preserving	1509 Snuggs Park Rd.	Albemarle, NC 28002	Steven Griffin 704.982.2516	CCA	Before 2006
Sayers Creek Company, LLC (Formally Amelia Lumber Co. Inc.)	16951 Leidig St.	Amelia, VA 23002	Katie Bunting/Will Frank 804.561.4771	CCA	Before 2006
American Timber and Steel Co. (formally Midwest Wood Treating)	4832 Plank Rd.	Norwalk, OH 44857	Todd Moore 419.668.1610	CCA, ACQ	Before 2006
B&M Wood Products, Inc.	4137 Manor Millwood Rd.	Manor, GA 31550	James Stovall/Sue Ellen Hodges 912.283.0353	Cresote	Reinstated 2014
Bestway South Inc.	165 Haliburton Rd.	Stoney Point NC 28678	Rick Petrovich 704.585.6373	CCA	Before 2006
Eutawville Facility of Koppers Utility & Industrial Products (formally Carolina Pole of Cox Wood)	237 Forestry Rd.	Eutawville, SC 29048	Phillip Kizer 803.492.7728	CCA	2009
Fortress Wood Products	2760 Raliegh Road	Henderson, NC 27537	Tim Parker 800.289.3678	CCA	Before 2006
Leland Facility of Koppers Utility & Industrial Products (formally Carolina Pole of Cox Wood)	1901 Wood Treatment Rd. NE	Leland, NC 28451	Mike Rouse 910.371.3131	PENTA, CCA	2012
Long Life Treated Wood, Inc.	8150 Old Railroad Rd.	Hebron, MD 21830	Jim Milliken/Patrick O'Malley 800.451.3137	CCA, CA-C	Before 2006
Madison Wood Preservers Inc.	216 Oak Park Rd	Madison, VA 22727	Nathan Kline/Anthony Deane 540.948.6801	CCA	Before 2006

Newsoms Facility of Koppers Utility & Industrial Products (formerly Atlantic Wood of Cox Wood)	21366 General Thomas Hwy	Newsoms, VA 23874	Chet Poland/Tammy Edwards 757.654.9462	CCA	Before 2006
North Facility of Koppers Utility & Ind. Products	160 Preserver Rd.	North, SC 29112	Adam Livingston 803.682.4812	PENTA	2009
Reliance Treated Wood	2000 Industrial Park Rd.	Federalsburg, MD 21632	Sandy Dorman/Kevin Dorman	CCA	2009
Stella-Jones (formerly Mcfarland Cascade and Wood Preservers, Inc.)	15939 History Land Hwy.	Warsaw, VA 22572	Peyton Motley/Chris Tuck 804.333.4022	CCA, CA-C	Before 2006
Storey, S.I. Lumber Co., Inc.	285 Sike Story Rd.	Armuchee, GA 30105	Hal Storey/Charlie Coleman	CCA, ACQ	2013

(46) SIGN SHEETING AND INK QUALIFIED PRODUCTS - Chemistry Lab

To be included on List 46, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.30 and meet Road and Bridge Sec. 247.02.

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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For all Products on list 46: Inks, Overlay Films, and other coatings shall be specified by the sheeting Manufacturer							
Product	Manufacturer	Street Address	Location	Contact	ASTM Type	Color	NTPEP #
Reflective sheeting used on Overhead Permanent Signs per Section 247.02(a), 701.02(a) Non-Overhead Permanent Signss per Section 247.02(b), 701.02(a) Rigid Devices that are not Permanent Signs or Object Markers per Section 247.02(c)							
T-6500	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IV	White	SSM-98-15
T-6501	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IV	Yellow	SSM-96-009
T-6507	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IV	Green	SSM-98-15
T-6508	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IV	Red	SSM-98-15
T-6509	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IV	Brown	SSM-2013-01-030
T-6505	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IV	Blue	SSM-96-009
T-9500	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	White	SSM-04-1073
T-9501	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	Yellow	SSM-04-1075
T-9505	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	Blue	SSM-04-1076
T-9507	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	Green	SSM-04-1074
T-9508	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	Red	SSM-04-1077

T-9511	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	Fluor. Yellow	SSM-05-1117
T-9513	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	Fluor. Yellow- Green	SSM-04-1079
T-11500	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	White	SSM-08-1290
T-11501	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Yellow	SSM-08-1291
T-11505	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Blue	SSM-08-1292
T-11507	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Green	SSM-08-1293
T-11508	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Red	SSM-08-1294
T-11511	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Fluor. Yellow	SSM-08-1295
T-11513	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Fluor. Yellow Green	SSM-08-1296
W-11000	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Barricade (White/Orange)	SSM-2015-01-060/061
W-9514	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	IX	Fluor. Orange	SSM-2004-01-1078
W-11514	Avery Dennison	6565 West Howard	Niles, IL 60714	Moe Madar 847.588.7257	XI	Fluor. Orange	SSM-2008-01-1297
3930	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IV	White	SSM-04-1061
3931	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IV	Yellow	SSM-04-1062
3932	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IV	Red	SSM-06-1148
3935	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IV	Blue	SSM-05-1079
3937	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IV	Green	SSM-04-1063

3939	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IV	Brown	SSM-07-1247
3990	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	White	SSM-04-1052
3940	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	VIII	White	SSM-2012-024
3941	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	VIII	Yellow	None/Calcoast Data
3991	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	Yellow	SSM-94-5
3992	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	Red	SSM-99-705
3997	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	Green	SSM-04-1057
3995	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	Blue	SSM-04-1056
3983	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	Fluor.Yellow- Green	SSM-95-4
4081	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Fluorescent Yellow	SSM-05-1107
4090	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	White	SSM-05-1100
4091	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Yellow	SSM-05-1103
4092	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Red	SSM-05-1104
4095	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Blue	SSM-05-1105
4097	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Green	SSM-05-1106
4099	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Brown	SSM-07-1246
4083	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Fluor. Yellow- Green	SSM-05-1108

444/446	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Barricade (White/Orange)	SSM-2015-01-025/026
3924	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	Fluor. Orange	SSM-03-1028
3924S	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	IX	Fluor. Orange	SSM-03-1028
4084	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	XI	Fluor. Orange	SSM-05-1109
CRG-92847	Nippon Carbide	12981 E. Florence Ave	Santa Fe Springs, CA 90670	James Hu	IX	Fluor. Orange	SSM-02-7
5930-038	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IX	Fluor. Orange	SSM-2013-01-017
9900/9910-010	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	XI	White	SSM-01-2019-001
9900/9910-020	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	XI	Yellow	SSM-01-2019-002
9900/9910-030	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	XI	Red	SSM-01-2019-003
9900/9910-050	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	XI	Blue	SSM-01-2019-004
9900/9910-060	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	XI	Green	SSM-01-2019-005
9900/9910-080	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	XI	Brown	SSM-01-2019-006
9900/9910-037	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	XI	Flour. Yellow	SSM-01-2019-008
Reflective Sheeting for Grade DOT-C2 Conspicuity Tape, per Section 247.02(e)							
3810	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV	White	SSM-01-03
3814	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV	Orange	SSM-01-03
3811	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV	Yellow	SSM-96-7
3311	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV	Yellow	SSM-2017-01-021

3910	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV	White	SSM-2011-01-014
3340 – (Cones)	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV	White	NTPEP Testing Not Required
5934-010	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV	White	SSM-2018-01-033
5934-035	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV	Orange	SSM-2018-01-034
AR-1000 (3751-15)	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV	White	VDOT Testing
AR-1000 (3751-18)	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV	Yellow	VDOT Testing
5935-01	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV	White	SSM-2018-01-039
5935-038	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV	Fluor. Orange	SSM-2018-01-040
WC-4100 (Cones)	Avery Dennison	6565 West Howard	Niles, IL	Moe Madar 847.588.7257	IV	White	NTPEP Testing Not Required
WR-7100	Avery Dennison	6565 West Howard	Niles, IL	Moe Madar 847.588.7257	IV	White	SSM-2012-01-068
Reflective sheeting use on: Temporary Sand Barrels and Drums per Section 247.02(d) and VDOT Table I Spec							
3910	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV and VDOT Spec	White	SSM-2011-01-014
3914	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881	IV and VDOT Spec	Fl. Orange	SSM-98-13
5934-010	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV and VDOT Spec	White	SSM-2018-01-033
5935-01	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV and VDOT Spec	White	SSM-2018-01-039
5935-038	Orafol	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181	IV and VDOT Spec	Fl. Orange	SSM-2018-01-040

Reflective sheeting use on: Temporary Sand Barrels and Drums per Section 247.02(d) and VDOT Table I Spec							
981-32	3M	3M Center, Building 225-4N-14	St. Paul	Andy Gross 804.898.4881		White/red	Not Required
V-5720	Avery Dennison	6565 West Howard	Niles, IL	Moe Madar		White/Red	Not Required
V82 Classic	ORAFOL	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181		White/Red	Not Required
V99 Daytime	ORAFOL	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181		White/Red	Not Required
V92 Daybright	ORAFOL	120 Darling Drive	Avon, CT	Chris Gaudette 860.676.7181		White/Red	Not Required
Reflective sheeting used on: Reflective Roll-up signs per 247.02(f)							
RS-20-CW	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	VI	White	MS 09195
RS-24-CW	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	VI	Fluorescent Orange	MS 09177
RS-60	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	VI	White	MS 26334
RS-64	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	VI	Fluorescent Orange	MS 26335
Marathon	ORAFOL	120 Darling Drive	Avon, CT 06001	Chris Gaudette 860.676.7181	VI	White	MS 19666
Marathon	ORAFOL	120 Darling Drive	Avon, CT 06001	Chris Gaudette 860.676.7181	VI	Fluorescent Orange	MS 19667
WU-7000	Avery Dennison	6565 West Howard	Niles, IL	Moe Madar 847.588.7257	VI	White	MS 28704
WU-7014	Avery Dennison	6565 West Howard	Niles, IL	Moe Madar 847.588.7257	VI	Fluorescent Orange	MS 28720
Reflective sheeting used on: Hand Signaling Flags and Gate-Arm Flags per Section 247.02(g)							
RS-20-CW	3M	3M Center, Building 225-4N-14	St. Paul, MN 55144	Andy Gross 804.898.4881	VI	White with Red Ink	MS 09195
Marathon	Orafol	120 Darling Drive	Avon, CT 06001	Chris Gaudette 860.676.7181	VI	White with Red Ink	MS19666

WU-7000	Avery Dennison	6565 West Howard	Niles, IL	Moe Madar 847.588.7257	VI	White with Red Ink	MS28704
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(49) QUALIFIED SEALERS AND TOPCOATS FOR METALLIZED SURFACES - Chemistry Lab

To be included on List 49, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.24 and meet Road and Bridge Sec. 231.02(a).

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Contact
Coat: Sealer Rustbond FC	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO	Will Whitescarver 804.801.6718
Coat: Finish Carbothane 134 HG or 134 HS	Carboline Paint	350 Hanley Industrial Ct. 63144	St. Louis, MO	Will Whitescarver 804.801.6718
Coat: Sealer Pre-Prime 167	Akzo Nobel / ICI Devoe	6001 Antoine Drive 77091	Houston, TX	
Coat: Finish Devthane 378	Akzo Nobel / ICI Devoe	6001 Antoine Drive 77091	Houston, TX	
Coat: Sealer Monolock PP	Xymax	520 Boul, Cure' Boivin	Quebec, Canada	
Coat: Finish Bridge Finish	Xymax	520 Boul, Cure' Boivin	Quebec, Canada	

(50) PERFORMANCE GRADED (PG) BINDER SOURCES - Asphalt Lab

To be included on List 50, the Supplier shall follow the requirements of the Manual of Instructions Sec 204.05 and meet Road and Bridge Sec. 210.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

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Product	VAAP Supplier	Street Address	Location	Plant Code
PG 64S-22	Associated Asphalt - Bristol	10 Spurgeon Lane	Bristol, VA 24203	10
PG 64H-22	Associated Asphalt - Bristol	10 Spurgeon Lane	Bristol, VA 24203	10
PG 64E-22	Associated Asphalt - Bristol	10 Spurgeon Lane	Bristol, VA 24203	10
PG 64S-22	Associated Asphalt - Roanoke	2677 Roanoke Ave SW	Roanoke, VA 24015	11
PG 64H-22	Associated Asphalt - Roanoke	2677 Roanoke Ave SW	Roanoke, VA 24015	11
PG 64E-22	Associated Asphalt - Roanoke	2677 Roanoke Ave SW	Roanoke, VA 24015	11
PG 58S-28	Associated Asphalt - Martinsburg	855 Corning Way	Martinsburg, WV 25401	12
PG 64S-22	Associated Asphalt - Martinsburg	855 Corning Way	Martinsburg, WV 25401	12
PG 64H-22	Associated Asphalt - Martinsburg	855 Corning Way	Martinsburg, WV 25401	12
PG 64E-22	Associated Asphalt - Martinsburg	855 Corning Way	Martinsburg, WV 25401	12
PG 58S-28	Associated Asphalt - Greensboro	100 S. Chimney Rock Rd	Greensboro, NC 27409	13
PG 64S-22	Associated Asphalt - Greensboro	100 S. Chimney Rock Rd	Greensboro, NC 27409	13
PG 64H-22	Associated Asphalt - Greensboro	100 S. Chimney Rock Rd	Greensboro, NC 27409	13
PG 64E-22	Associated Asphalt - Greensboro	100 S. Chimney Rock Rd	Greensboro, NC 27409	13
PG 64V-28	Associated Asphalt - Greensboro	100 S. Chimney Rock Rd	Greensboro, NC 27409	13
PG 64S-22	Associated Asphalt - Hopewell	410 Water St.	Hopewell, VA 23860	14
PG 64E-22	Associated Asphalt - Hopewell	410 Water St.	Hopewell, VA 23860	14
PG 64S-22	Associated Asphalt - Baltimore	1955 Chesapeake Ave.	Baltimore, MD 21226	16
PG 64S-22	Bitumar USA	1622 S. Clinton St	Baltimore, MD 21226	21

PG 58S-28	Bitumar USA	6000 Pennington Ave	Baltimore, MD 21226	20
PG 64S-22	Bitumar USA	6000 Pennington Ave	Baltimore, MD 21226	20
PG 64H-22	Bitumar USA	6000 Pennington Ave	Baltimore, MD 21226	20
PG 64E-22	Bitumar USA	6000 Pennington Ave	Baltimore, MD 21226	20
PG 64V-28	Bitumar USA	6000 Pennington Ave	Baltimore, MD 21226	20
PG 58S-28	APEX Oil - Chesapeake	428 Barnes Rd	Chesapeake, VA 23434	30
PG 64S-22	APEX Oil - Chesapeake	428 Barnes Rd	Chesapeake, VA 23434	30
PG 64H-22	APEX Oil - Chesapeake	428 Barnes Rd	Chesapeake, VA 23434	30
PG 64E-22	APEX Oil - Chesapeake	428 Barnes Rd	Chesapeake, VA 23434	30
PG 64S-22	Marathon Petroleum - Ashland	11631 US Route 23	Catlettsburg, KY 41129	40
PG 64E-22	Marathon Petroleum - Catlettsburg	15085 OLD US-23	Catlettsburg, KY 41129	42
PG 58S-28	Associated Asphalt - Dumfries	18000 Cockpit Point Rd.	Dumfries, VA 22026	50
PG 64S-22	Associated Asphalt - Dumfries	18000 Cockpit Point Rd.	Dumfries, VA 22026	50
PG 64H-22	Associated Asphalt - Dumfries	18000 Cockpit Point Rd.	Dumfries, VA 22026	50
PG 64E-22	Associated Asphalt - Dumfries	18000 Cockpit Point Rd.	Dumfries, VA 22026	50
PG 64V-28	Associated Asphalt - Dumfries	18000 Cockpit Point Rd.	Dumfries, VA 22026	50
PG 64S-22	Associated Asphalt - N Baltimore	1800 Frankfurst Ave.	NS Baltimore, MD 21226	51
PG 64H-22	Associated Asphalt - N Baltimore	1800 Frankfurst Ave.	NS Baltimore, MD 21226	51
PG 58S-28	Associated Asphalt - N Baltimore	1800 Frankfurst Ave.	NS Baltimore, MD 21226	51
PG 64E-22	Associated Asphalt - N Baltimore	1800 Frankfurst Ave.	NS Baltimore, MD 21226	51
PG 58S-28	Associated Asphalt - Newport News	801 Terminal Ave	Newport News, VA 23607	53
PG 64S-22	Associated Asphalt - Newport News	801 Terminal Ave	Newport News, VA 23607	53
PG 64H-22	Associated Asphalt - Newport News	801 Terminal Ave	Newport News, VA 23607	53
PG 64E-22	Associated Asphalt - Newport News	801 Terminal Ave	Newport News, VA 23607	53

PG 64V-28	Associated Asphalt - Newport News	801 Terminal Ave	Newport News, VA 23607	53
PG 58S-28	Associated Asphalt - Gloucester City	King St & Jersey Ave	Gloucester City, NJ 08030-0031	55
PG 64E-22	Associated Asphalt - Gloucester City	King St & Jersey Ave	Gloucester City, NJ 08030-0031	55
PG 64V-28	Associated Asphalt - Gloucester City	King St & Jersey Ave	Gloucester City, NJ 08030-0031	55
PG 64S-22	Associated Asphalt - Richmond	4110 Deepwater Terminal Rd.	Richmond, VA 23234	56
PG 64E-22	Associated Asphalt - Paulsboro	4 Paradise Road	Paulsboro, NJ 08066	57
PG 64S-22	Blacklidge Emulsions, Inc.	539 Poinsett St.	Greer, SC 29651	90
PG 64S-22	Southeast Emulsions - Branchville	32420 Moore Lane	Branchville, VA 23828	103
PG 64S-22	Gardner Asphalt Supply, LLC	25935 Nanticoke St	Seaford, DE 19971	110
PG 64S-22	Asphalt Emulsions - 7700 Richmond	7700 Fort Darling Rd	Richmond, VA 23237	122
PG 64S-22	Russell Standard / Hammaker East - Greensboro	1124 S. Holden Rd.	Greensboro, NC 27407	140
PG 64H-22	Russell Standard / Hammaker East - Greensboro	1124 S. Holden Rd.	Greensboro, NC 27407	140
PG 64E-22	Russell Standard / Hammaker East - Greensboro	1124 S. Holden Rd.	Greensboro, NC 27407	140
PG 58S-28	Russell Standard / Hammaker East - Greensboro	1124 S. Holden Rd.	Greensboro, NC 27407	140
PG 64S-22	Russell Standard / Hammaker East - Baltimore	5501 Pennington Ave.	Baltimore, MD 21226	1452
PG 58S-28	Irving	2801 Military Hwy	Chesapeake, VA 22026	150
PG 64S-25	Irving	2801 Military Hwy	Chesapeake, VA 22026	150

(50.1) EMULSIFIED ASPHALT SOURCES - Asphalt Lab

To be included on List 50.1, the Supplier shall follow the requirements of the Manual of Instructions Sec 204.05 and meet Road and Bridge Sec. 210.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	VAAP Supplier	Street Address	Location	Plant Code
CRS-1	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
CRS-1h	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
CRS-2	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
CRS-2L	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
CQS-1H	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
CQS-1HLM	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
CSS-1H	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
RC-250	Asphalt Emulsions - Richmond	1524 Valley Rd	Richmond, VA 23222	10
CRS-1	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CRS-1h	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CRS-2	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CRS-2L	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CRS-2P	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CQS-1H	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CQS-1HLM	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CSS-1H	Asphalt Emulsions - Manassas	8730 Vulcan Ln	Manassas, VA 20109	11
CRS-1	Asphalt Emulsions - Dumfries	18000 Cockpit Point Rd	Dumfries, VA 22026	12
CRS-2	Asphalt Emulsions - Dumfries	18000 cockpit point rd	Dumfries, VA 22026	12
CRS-2L	Asphalt Emulsions - Dumfries	18000 cockpit point rd	Dumfries, VA 22026	12
CSS-1H	Asphalt Emulsions - Dumfries	18000 cockpit point rd	Dumfries, VA 22026	12
CRS-1	Asphalt Emulsions - Newport News	801 Terminal Ave.	Newport News, VA 23607	13
CRS-1h	Asphalt Emulsions - Newport News	801 Terminal Ave.	Newport News, VA 23607	13
CRS-2	Asphalt Emulsions - Newport News	801 Terminal Ave.	Newport News, VA 23607	13
CRS-2L	Asphalt Emulsions - Newport News	801 Terminal Ave.	Newport News, VA 23607	13
CQS-1H	Asphalt Emulsions - Newport News	801 Terminal Ave.	Newport News, VA 23607	13
CQS-1HLM	Asphalt Emulsions - Newport News	801 Terminal Ave.	Newport News, VA 23607	13

CRS-1	Asphalt Emulsions - Dunn	151 Emmett Rd	Dunn, NC 28337	14
CRS-2	Asphalt Emulsions - Dunn	151 Emmett Rd	Dunn, NC 28337	14
CRS-2L	Asphalt Emulsions - Dunn	151 Emmett Rd	Dunn, NC 28337	14
CQS-1H	Asphalt Emulsions - Dunn	151 Emmett Rd	Dunn, NC 28337	14
CQS-1HLM	Asphalt Emulsions - Dunn	151 Emmett Rd	Dunn, NC 28337	14
CSS-1H	Asphalt Emulsions - Dunn	151 Emmett Rd	Dunn, NC 28337	14
CRS-2	Associated Asphalt - Bristol	10 Spurgeon Ln	Bristol, VA 24201	20
CRS-2L	Associated Asphalt - Bristol	10 Spurgeon Ln	Bristol, VA 24201	20
CSS-1H	Associated Asphalt - Bristol	10 Spurgeon Ln	Bristol, VA 24201	20
CRS-1h	Associated Asphalt - Roanoke	2677 Roanoke Ave	Roanoke, VA 24015	21
CRS-2	Associated Asphalt - Roanoke	2677 Roanoke Ave	Roanoke, VA 24015	21
CRS-2L	Associated Asphalt - Roanoke	2677 Roanoke Ave	Roanoke, VA 24015	21
CRS-2	Asphalt Emulsions - Richmond	7700 Fort Darling Rd	Richmond, VA 23237	31
CRS-2L	Asphalt Emulsions - Richmond	7700 Fort Darling Rd	Richmond, VA 23237	31
THMACOBOND	Asphalt Emulsions - Richmond	7700 Fort Darling Rd	Richmond, VA 23237	31
CRS-1	Russell Standard / Hammaker East - Baltimore	3450 Asiatic Ave.	Baltimore, MD 21226	32
CRS-1h	Russell Standard / Hammaker East - Baltimore	3450 Asiatic Ave.	Baltimore, MD 21226	32
CRS-2	Russell Standard / Hammaker East - Baltimore	3450 Asiatic Ave.	Baltimore, MD 21226	32
CRS-2L	Russell Standard / Hammaker East - Baltimore	3450 Asiatic Ave.	Baltimore, MD 21226	32
CQS-1H	Russell Standard / Hammaker East - Baltimore	3450 Asiatic Ave.	Baltimore, MD 21226	32
CQS-1HLM	Russell Standard / Hammaker East - Baltimore	3450 Asiatic Ave.	Baltimore, MD 21226	32
CSS-1H	Russell Standard / Hammaker East - Baltimore	3450 Asiatic Ave.	Baltimore, MD 21226	32
CRS-2	Russell Standard / Hammaker East - Chambersburg	118 Siloam Rd	Chambersburg, PA 17201	33
CSS-1H	Russell Standard / Hammaker East - Chambersburg	118 Siloam Rd	Chambersburg, PA 17201	33
CRS-2P	Russell Standard / Hammaker East - Chambersburg	118 Siloam Rd	Chambersburg, PA 17201	33
CRS-1	Russell Standard / Hammaker East - Greensboro	124 S. Holden Rd	Greensboro, NC 27407	34
CRS-1h	Russell Standard / Hammaker East - Greensboro	124 S. Holden Rd	Greensboro, NC 27407	34
CRS-2	Russell Standard / Hammaker East - Greensboro	124 S. Holden Rd	Greensboro, NC 27407	34
CRS-2L	Russell Standard / Hammaker East - Greensboro	124 S. Holden Rd	Greensboro, NC 27407	34

CRS-1	Blacklidge Emulsions, Inc.	539 East Poinsett St	Greer, SC 29651	40
CRS-2	Blacklidge Emulsions, Inc.	539 East Poinsett St	Greer, SC 29651	40
EM-50	Seaboard	3601 Fairfield Rd	Baltimore, MD 21226	50
RC-250	Seaboard	3601 Fairfield Rd	Baltimore, MD 21226	50
CRS-1	Specialty Emulsions	1194 Zinns Quarry Rd	York, PA 17404	60
EM-50	Specialty Emulsions	1194 Zinns Quarry Rd	York, PA 17404	60
CRS-1	Gardner Asphalt Supply, LLC	25935 Nanticoke St	Seaford, DE 19971	80
CRS-2	Gardner Asphalt Supply, LLC	25935 Nanticoke St	Seaford, DE 19971	80
CRS-1h	BCI materials	1131 Atando Ave.	Charlotte, NC 28206	100

(50.1a) NONTRACK TACK MATERIALS - Asphalt Lab

To be included on List 50.1a, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.05 and meet Road and Bridge Sec. 210.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Plant Code	Notes
NTCQS-1HM	Asphalt Emulsions - Richmond, VA #10	1524 Valley Road	Richmond, VA 23222	10	
NTCQS-1HM	Asphalt Emulsions - Manassas, VA #11	8730 Vulcan Lane	Manassas, VA 20109	11	
NTCQS-1HM	Asphalt Emulsions - Newport News #13	801 Terminal Ave	Newport News, VA 23607	13	
NTCRS-1HSP	Associated Asphalt - Bristol #20	10 Spurgeon Lane	Bristol, VA 24201	20	
NTCRS-1HSP	Associated Asphalt - Roanoke #21	2677 Roanoke Ave, SW	Roanoke, VA 24011	21	
CNTTC	Russell Standard / Hammaker East - Chambersburg #33	118 Siloam Road	Chambersburg, PA 17201	33	
CNTT	Russell Standard / Hammaker East - Greensboro #34	124 S. Holden Rd	Greensboro, NC 27407	34	
NTSS-1HM	Blacklidge Emulsions - Greer #40	539 East Poinsett St	Greer, SC 29651	40	
UltraFuse	Blacklidge Emulsions - Greer #40	539 East Poinsett St	Greer, SC 29651	40	Hot Applied
NTSS-1HM	Blacklidge Emulsions - Gulfport #41	1030 Reichoid Rd	Gulfport, MS 39503	41	
UltraFuse	Blacklidge Emulsions - Gulfport #41	1030 Reichoid Rd	Gulfport, MS 39503	41	Hot Applied
NTSS-1HM	Blacklidge Emulsions - North Bend #42	10100 Brower Rd	North Bend, OH 45052	42	
EM-50TT	Seaboard Asphalt - Baltimore #50	3601 Fairfield Road	Baltimore, MD 21226	50	
EM-50TT	Specialty Emulsions - York #60	1194 Zinns Quarry Road	York, PA 17404	60	
DOT C-10	Appalachian Materials - Kingsport #90	329 Wayne Construction Rd	Kingsport, TN 37660	90	Hot Applied
NTCRS-1hM	BCI Materials - Charlotte #100	1131 Atando Ave.	Charlotte, NC 28206	100	

(51) 2% COPPER NAPHTHENATE - Chemistry Lab

To be included on List 51, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.29 and meet Road and Bridge Sec. 236.02(c)

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Phone No.	Notes
Tenino Copper Naphthenate	Poles, Inc.	336 Clarksley Rd	Manitou Springs, CO	719.685.0333	17% by volume
QNAP2 - Copper Naphthenate	Nisus, Corp	100 Nisus Drive	Rockford, TN	800.264.0870	17% by volume
Due to changes in EPA requirements, as of June 2011 Nisus Corporation became the only registered manufacturer for Copper Naphthenate.					

(52) ARTICULATED BLOCKS FOR SLOPE PROTECTION & DITCHLINING - Location & Design

To be included on List 52, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Special Provisions

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Standards & Special Design".

****Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Product	Manufacturer	Street Address	Location	Phone No.	Notes
Armorflex	Armortec, Inc.	Suite 1990, Peachtree Corners Plaza	Norcross, Georgia	8002416313	Mats come in 320 sq. ft. sections. Requires a crane to lift sections into place.
Hexagonal Interlocking Panels	Ecologigal Tech.	D-04460	Kitzen, Germany	4934296779-20	
NOR-Bloc	Norwood, Inc.	222 George Street	Beckley, West Virginia	3042526517	Individual interlocking blocks.
Cable Concrete	Permatile Concrete Products Co.	P. O. Box 2049 100 Beacon Road	Bristol, Virginia	5406695332	Mats come in 2 ft. x 4 ft. sections or 16 ft. x 4 ft. sections.
Shoreloc (formerly GeoLink)	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021	Mats come in either 4" x 12" x 16" or 6" x 12" x 16" blocks.
Shoreblock SD	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021	

(53) EROSION CONTROL MULCHES - Maintenance Division

To be included on List 53, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Road and Bridge Sec. 244.

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Maintenance Division.

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Phone No.
Bindex BFMA7:E1A7:E18	American Excelsior Company	831 Pioneer Avenue	Rice Lake, WI 54868	Michael Nelson 715.236.5644
Bindex Blend	American Excelsior Company	831 Pioneer Avenue	Rice Lake, WI 54868	Michael Nelson 715.236.5644
Bindex Blend WT	American Excelsior Company	831 Pioneer Avenue	Rice Lake, WI 54868	Michael Nelson 715.236.5644
Bindex Wood	American Excelsior Company	831 Pioneer Avenue	Rice Lake, WI 54868	Michael Nelson 715.236.5644
Bindex Wood WT	American Excelsior Company	831 Pioneer Avenue	Rice Lake, WI 54868	Michael Nelson 715.236.5644
Excel Ribermulch II	American Excelsior Company	831 Pioneer Avenue	Rice Lake, WI 54868	Michael Nelson 715.236.5644
Mulch & Grow Bonded Fiber Matrix	Carolina Precision Products	145 Factory Street	Ronda, NC 28670	Fred Vincelli, Jr. 336.527.4140
PAM-12	ENCAP LLC	320 N. Broadway, Suite 340	Green Bay, WI 54303	Shannon Homme 920.406.5050
Earth Guard Matrix	LSC Environmental Products LLC	2183 Pennsylvania Ave.	Apalachin, NY 13732	Sam Morris 800.545.1755
LSC Premium Paper Mulch	LSC Environmental Products LLC	2183 Pennsylvania Ave.	Apalachin, NY 13732	Sam Morris 800.545.1755
Mesic Wood Mulch	LSC Environmental Products LLC	2183 Pennsylvania Ave.	Apalachin, NY 13732	Sam Morris 800.545.1755
LSC 70/30 Fiber Blend	LSC Environmental Products LLC	2183 Pennsylvania Ave.	Apalachin, NY 13732	Sam Morris 800.545.1755

Spray Guard	LSC Environmental Products LLC	2183 Pennsylvania Ave.	Apalachin, NY 13732	Sam Morris 800.545.1755
Soil Sement	Mid-West Industrial Supply Co., Inc.	1101 3rd Street	Canton, OH 44707	Cheryl Detloff 330.445.8126
Flexterra Flexible Growth Medium (FGM)	Profile Products, LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
HydroStraw Bonded Fiber Matrix	Profile Products, LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
HydroStraw Guar Plus Formulation	Profile Products, LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
HydroStraw Original	Profile Products, LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
Profile Wood	Profile Products, LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
ProMatrix-Engineered Fiber Matrix	Profile Products, LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262

(54) ENGINEERED CEMENTITIOUS COMPOSITE (ECC), VERY HIGH PERFORMANCE (VHPC), ULTRA HIGH PERFORMANCE CONCRETE (UHPC) - Physical Lab

To be included on List 54, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact physical lab) and meet Special Provision SP217-000100-00, SP217-000110-00.
<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone No.
ECC				
Elephant Armor DOT Industrial Grade Mortar	GST International	250 Cal Lane	Sparks, NV 89431	775.829.2626
Buddy Rhodes ECC Blended Mix	Buddy Rhodes Concrete Products	5600 Lower Macungie Rd	Macungie, PA 18062	877.706.5303
ECC Grout VDOT	Euclid Chemical	19215 Redwood Rd	Cleveland, OH	
Koster ECC Mortar	KOSTER American Corporation	2585 Aviator Drive	Virginia Beach VA 23453	757.425.1206
VHPC				
Keyway Grout VDOT	Euclid Chemical	19215 Redwood Rd	Cleveland, OH 44110	
VHPC	Rockingham RediMax	3330 Kratzer Road	Harrisonburg, VA 22803	540.433.8282
UHPC				
Argos UHPC	Argos UHPC	2001 Maritime Blvd	Tampa, FL 33624	Byron Velasquez
Cor-Tuf	Cor-Tuf	11128 Industrial Road	Manassas, VA 20109	Doug Darling 703.656.1445
Ductal	Lafarge North America	2150 E. 130th Street	Chicago, IL 60633	773.646.5228
Steelike	Steelike	7631 Fullerton Road #7G	Springfield, VA 22153	609.703.2020

(55) MULCH TACKIFIER SUPPLIERS - Maintenance Division

To be included on List 55, the Supplier shall follow the requirements of the Manual of Instructions to be published in the near future (contact Maintenance Division) and meet Road and Bridge Sec. 244.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Maintenance Division.

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Supplier	Street Address	Location	Phone No.
Terra-Mulch Tacking Agent 3	Profile Products LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
Tornado Tack ST-1000	Profile Products LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
FlocLoc Soil and Fiber Mulch Stabilizer	Profile Products LLC	750 Lake Cook Road Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
Contact	Profile Products LLC	1850 Tate Blvd., S.E. Suite 350	Hickory, NC 28601	Lauren Deem 866.325.6262
Contact AT	Profile Products LLC	1850 Tate Blvd., S.E. Suite 350	Hickory, NC 28601	Lauren Deem 866.325.6262
EcoTak OP-5	Eastern Products, Inc.	One Copperfield Way	Mahwah, NJ 07430-3200	201.684.0463
EcoTak SAT-11	Eastern Products, Inc.	One Copperfield Way	Mahwah, NJ 07430-3200	201.684.0463
EC 1000	Erosion Control Technologies, Inc.	3380 Route 22 West Unit 3A	Branchburg, NJ 08876	800.245.0551
EC 3000	Erosion Control Technologies, Inc.	3380 Route 22 West Unit 3A	Branchburg, NJ 08876	800.245.0551
ECT 3000 (copolyacrylamide)	Erosion Control Technologies, Inc.	3380 Route 22 West Unit 3A	Branchburg, NJ 08876	800.245.0551
A500 Hydro Stik	Finn Corp.	9281 LeSaint Drive	Fairfield, OH 45014	800.543.7166
Jonathan Green Hydrogreen Tackifier	Jonathan Green Turf Products	P.O. Box 326	Farmingdale, NJ 07727	800.526.2303
Jonathan Green Super Tackifier	Jonathan Green Turf Products	P.O. Box 326	Farmingdale, NJ 07727	800.526.2303
Progacyl AG-50	Lyndal Chemical Co.	P.O. Box 1740 / Coronet Drive	Dalton, GA 30720	404.259.4831
Mulch Mate Supertac	PRS Materials, Inc.	520 Pusey Avenue	Collingdale, PA 19023	610.532.3960
StrawMate Tackifier	PRS Materials, Inc.	520 Pusey Avenue	Collingdale, PA 19023	61.053.2396

Dirt Glue	Unocal Corp. /Unocal Chemicals Division	1445 Alonedra Blvd.	La Mirada, CA 90638	714.228.4749
Fiber Rx	HydroStraw LLC	3676 W. 9000 N. Road	Manento, IL 60950	800.545.1755

(58) STANDARD EC-16 TEMPORARY CHECK DAM - Location & Design

To be included on List 58, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Road and Bridge Sec. 244. **See List 83 for Sediment Retention rolls used for EC-16**

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Stormwater Management Program".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone No.
Erosion Eel	Friendly Environment	100 Prince Street	Shelbyville, TN	6156075953
AEC Premier Straw Wattles 9"	American Excelsior Company	850 Avenue H East	Arlington, TX	8173853500
AEC Premier Straw Wattles 12"	American Excelsior Company	850 Avenue H East	Arlington, TX	8173853500
AEC Premier Straw Wattles 20"	American Excelsior Company	850 Avenue H East	Arlington, TX	8173853500
Curlex Sediment Logs	American Excelsior Company	850 Avenue H East	Arlington, TX	8173853500
Triangular Silt Dike	Triangular Silt Dike Company	608 Greenwood	Midwest City, OK	Jason Roach 4057417406
Filtrexx DitchChexx	Filtrexx International	35841 Grafton Eastern Road	Grafton, OH	4409262607
GeoHay 9"	GeoHay	P.O. Box 160040	Spartinburg, SC	8644727000
GeoHay 12"	GeoHay	P.O. Box 160040	Spartinburg, SC	8644727000
GeoHay 15"	GeoHay	P.O. Box 160040	Spartinburg, SC	8644727000
GeoHay 18"	GeoHay	P.O. Box 160040	Spartinburg, SC	8644727000
Diamond Sock 8"	MKB Company	3450 East College Ave	State College, PA	8885780777
Diamond Sock 12"	MKB Company	3450 East College Ave	State College, PA	8885780777
Diamond Sock 18"	MKB Company	3450 East College Ave	State College, PA	8885780777
Diamond Sock 24"	MKB Company	3450 East College Ave	State College, PA	8885780777

(59) INLET PROTECTION - Location & Design

To be included on List 59, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Road and Bridge Sec. 244.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Stormwater Management Program".
**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone No.
Curlex Sediment Logs	American Excelsior Company	850 Avenue H East	Arlington, TX	8007777645
Dandy Curb (formerly Beaver Dam True Dam)	Dandy Products	P.O. Box 1680	Powell, OH	8005912284
Dandy Bag	Dandy Products	P.O. Box 1680	Powell, OH	8005912284
Dandy Sack	Dandy Products	P.O. Box 1680	Powell, OH	8005912284
Dandy Pop	Dandy Products	P.O. Box 1680	Powell, OH	8005912284
Dandy Curb Bag	Dandy Products	P.O. Box 1680	Powell, OH	8005912284
Dandy Curb Sack	Dandy Products	P.O. Box 1680	Powell, OH	8005912284
Diamond Sock 8"	MKB Company	3450 East College Ave	State College, PA	8885780777
Diamond Sock 12"	MKB Company	3450 East College Ave	State College, PA	8885780777
Diamond Sock 18"	MKB Company	3450 East College Ave	State College, PA	8885780777
Diamond Sock 24"	MKB Company	3450 East College Ave	State College, PA	8885780777
EZ-Flo	Flo-Water, LLC	308 33rd St. West	DeMoines, IA	5155776763
EZ-ClipGuard	Flo-Water, LLC	308 33rd St. West	DeMoines, IA	5155776763
Filtrexx InletSoxx	Filtrexx International	35481 Grafton Eastern Road	Grafton, OH	4409262607
GeoHay 9"	GeoHay	P.O. Box 160040	Spartinburg, SC	8644727000
Gutter Buddy	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021
Gutter Eel	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021
Gutter Gator	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021
Grate Gator	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021
Econocurb	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021
RockInFilter	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021
SiltSack	ACF Environmental	2831 Cardwell Road	Richmond, VA	8002239021
Rapid Flow Drain Filter	Erosion Control Products, Inc.	4001 Van Dyke Ct.	Monroe, NC	7048213042
Silt Saver Dome R-300B-DOT	Silt Saver, Inc.	1200 Forrester Cemetery Rd	Covington, GA	8883827458
Silt Saver Dome S-400B-DOT	Silt Saver, Inc.	1200 Forrester Cemetery Rd	Covington, GA	8883827458
Silt Saver Dome S-400BF-DOT	Silt Saver, Inc.	1200 Forrester Cemetery Rd	Covington, GA	8883827458

(61) DOMESTIC CASTING MANUFACTURERS - Quality Assurance Division

To be included on List 61, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.32a and meet Road and Bridge Sec. 224.01.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Manufacturer	Street Address	Location	Contact	Email address
Bingham & Taylor	601 Nalle Place	Culpeper, VA	Paul Pfingsten 540.825.8334	smakwana@bandt-us.com
EJ – East Jordan	301 Spring Street	East Jordan, MI	Scott Nachazel 231.536.2261	susannah.ohde@ejco.com lars.halvorsen@ejco.com
EJ - Ardmore	270 Red Wing Road	Ardmore, OK	Susannah Ohde 231.536.2261	susannah.ohde@ejco.com lars.halvorsen@ejco.com
Neenah Foundry Co.	2121 Brooks Avenue	Neenah, WI	Mike Gadzik 920.729.4690	mike.gadzik@neenahenterprises.com
U.S. Foundry & Manufacturing Corp.	8351 N.W. 93 Street	Medley, FL	Louis Noisette 803.507.1470	lnoisett@usfoundry.com

(63) GEOSYNTHETICS - Soils Lab

To be included on List 63, the Manufacturer/Supplier shall follow the requirements of the Manual of Instructions (MOI) Chapter II Section 204.20(f) and meet the Road and Bridge Specification Section 245 (or Supplement to the Specification, or Special Provision).

MOI Link: <https://www.virginia.gov/business/materials-download-docs.asp>

Specification Link: <https://www.virginia.gov/business/const/spec-default.asp>

For additions or deletions to the list, contact the Materials Division "Soils Lab".

****Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Code & Product	Manufacturer/Supplier	Street Address	Location	Contact	Expiration Date
Temporary Silt Fence Fabric - 245.03(a) (Fabric for Type A and Type B Silt Fence)					
ACF VSF	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
Anita 140SF	Anita Plastics, Inc.	38790 Glenlivet Court	Solan, OH 44139	John Jensen 801.725.3467	1-Jan-26
Hanes TerraTex SF-D	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-24
Lumite SmartFence-36	Lumite Inc.	1515 N County Line Rd	Alto, GA 30510	Rebecca Kurek 770.869.1787	1-Jan-25
Lumite SmartFence-42	Lumite Inc.	1515 N County Line Rd	Alto, GA 30510	Rebecca Kurek 770.869.1787	1-Jan-25
SKAPS W100	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kouros R. Sabzevari 706.354.3700	1-Jan-26
THRACE TPG400EOMM	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24
Winfab V24	Willacoochee Industrial Fabrics, Inc	PO Box 599, 769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Riprap Bedding Geotextile (Separation Fabric) - 245.03(b)					
ACF S250N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-24
ACF N060N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-25
ACF N070N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-25
ACF N080N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
Berry Global Typar 3501G	Berry Global	117 Seaboard Lane	Franklin, TN 42134	Jacob Mabrey 615.577.9323	1-Jan-24
Berry Global Typar 3601 G	Berry Global	117 Seaboard Lane	Franklin, TN 42134	Jacob Mabrey 615.577.9323	1-Jan-24
Carthage Mills FX-80HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24
Hanes TerraTex N06	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25

Hanes TerraTex GS-250	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-26
Hanes TerraTex HD	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Hanes TerraTex N07	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Hanes TerraTex N08	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Core and Main CNM315NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-24
Core and Main CNM600NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-25
Core and Main CNM800NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-25
Propex Geotex 601	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga, TN 37421	Jay Dailey 800.621.0444	1-Jan-25
SKAPS GT160	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-25
SKAPS GT170	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-25
SKAPS GT180	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
SKAPS SW315	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
SKAPS W250	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
SKAPS W270	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
Solmax Mirafi FW500	Solmax	365 South Holland Drive	Pendergrass, GA 30567	Keith Harris 706.693.1729	1-Jan-25
Solmax Mirafi 550X	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-26
Solmax Mirafi 160N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27
Solmax Mirafi 170N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27
Solmax Mirafi 180N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27
Thrace G150EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24

Thrace G160EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24
Thrace G180EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24
Thrace TPG250	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-26
Thrace TPG315	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-26
US Fabrics 160NW	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45227	Michelle Price 513.271.6000	1-Jan-25
Winfab 2404	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-26
Winfab 250W	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-24
Winfab 315W	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-24
Winfab 700N	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Drainage Fabric - 245.03(c)					
ACF N060N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ACF N070N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ACF N080N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ACF N100N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ADS 0601T	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
ADS 0701T	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
ADS 0801T	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
ADS 1071	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
Berry Global Typar 3501G	Berry Global	117 Seaboard Lane	Franklin, TN	Jacob Mabrey 615.577.9323	1-Jan-24
Carthage Mills FX-60HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24

Carthage Mills FX-70HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24
Carthage Mills FX-80HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24
Hanes TerraTex N06	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Hanes TerraTex N07	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Hanes TerraTex N08	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Core and Main CNM600NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-25
Propex Geotex 601	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga, TN 37421	Jay Dailey 800.621.0444	1-Jan-25
SKAPS GT110	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kouros R. Sabzevari 706.354.3700	1-Jan-24
SKAPS GT160	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kouros R. Sabzevari 706.354.3700	1-Jan-25
SKAPS GT170	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kouros R. Sabzevari 706.354.3700	1-Jan-25
SKAPS GT180	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kouros R. Sabzevari 706.354.3700	1-Jan-26
Solmax Mirafi 160N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27
Solmax Mirafi 170N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27
Solmax Mirafi 180N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27
Thrace G150EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, Virginia	Tommy Branin 804.264.0128	1-Jan-24
Thrace G160EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, Virginia	Tommy Branin 804.264.0128	1-Jan-24
Thrace G180EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, Virginia	Tommy Branin 804.264.0128	1-Jan-24

US Fabrics 160NW	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45252	Michelle Price 513.271.6000	1-Jan-24
Winfab 600N	Willacoochee Industrial Fabrics, Inc	PO Box 599, 769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Winfab 700N	Willacoochee Industrial Fabrics, Inc	PO Box 599, 769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Winfab 800N	Willacoochee Industrial Fabrics, Inc	PO Box 599, 769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Subgrade Separation Fabric - 245.03(d)1					
ACF N060N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ACF N070N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ACF N080N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ADS 0601T	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
ADS 0801T	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
Carthage Mills FX-60HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24
Carthage Mills FX-70HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24
Carthage Mills FX-80HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24
Core and Main CNM800NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-25
Hanes TerraTex N06	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Hanes TerraTex N07	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Hanes TerraTex N08	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Propex Geotex 601	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga, TN 37421	Jay Dailey 800.621.0444	1-Jan-25

SKAPS GT110	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-24
SKAPS GT160	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-25
SKAPS GT170	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-25
SKAPS GT180	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
Solmax Mirafi 160N	Solmax	365 South Holland Drive	Pendergrass, GA 30567	Keith Harris 706.693.1729	1-Jan-27
Solmax Mirafi 170N	Solmax	365 South Holland Drive	Pendergrass, GA 30567	Keith Harris 706.693.1729	1-Jan-27
Solmax Mirafi 180N	Solmax	365 South Holland Drive	Pendergrass, GA 30567	Keith Harris 706.693.1729	1-Jan-27
Thrace G150EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24
Thrace G160EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24
Thrace G180EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24
US Fabrics 160NW	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45252	Michelle Price 513.271.6000	1-Jan-25
US Fabrics 205NW	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45252	Michelle Price 513.271.6000	1-Jan-25
Winfab 600N	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Subgrade Stabilization Fabric - 245.03(d)2					
ACF N080N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
ADS 0801T	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
Berry Global Typar 3801G	Berry Global	117 Seaboard Lane	Franklin, TN	Jacob Mabrey 615.577.9323	1-Jan-24
Carthage Mills FX-80HS	Carthage Mills	4243 Hunt Rd	Cincinnati, OH 45252	Toni Haines 513.794.1600	1-Jan-24

Core and Main CNM800NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-25
Hanes TerraTex HPG- 500	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-26
Hanes TerraTex N08	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Propex Geotex 801	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga, Tennessee	Jay Dailey 800.621.0444	1-Jan-25
SKAPS GT110	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-24
SKAPS GT180	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
Solmax Mirafi 180N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27
Thrace G180EX	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, Virginia	Tommy Branin 804.264.0128	1-Jan-24
US Fabrics 205NW	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45252	Michelle Price 513.271.6000	1-Jan-25
Winfab 800N	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Winfab 1000N	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Embankment Stabilization Fabric (for embankments up to 6 feet high)- 245.03(d)3					
ACF N080N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA	Jacob Bottoms 804.275.4109	1-Jan-26
ACF S300N	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA	Kevin Hall 804.275.4109	1-Jan-26
ADS 0801T	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
ADS 2x2	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
ADS 370HP	Advanced Drainage Systems, Inc	4640 Trueman Blvd	Hilliard, Ohio 43026	Daniel Griffin 919.410.1831	1-Jan-25
Carthage Mills FX-66	Carthage Mills	4243 Hunt Rd	Cincinnati	Toni Haines 513.794.1600	1-Jan-25

Carthage Mills FX-80HS	Carthage Mills	4243 Hunt Rd	Cincinnati	Toni Haines 513.794.1600	1-Jan-24
Hanes TerraTex 4x4HF	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-24
Hanes TerraTex HD	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Hanes TerraTex HPG-500	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-26
Hanes TerraTex HPG-57	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-24
Hanes TerraTex N08	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Core and Main CNM315NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-24
Core and Main CNM800NT	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-25
NCIF W315	NCIF (YIXING) Geosynthetics Co.,Ltd	#166 Hufu Industrial Park	Yixing, Jiangsu 214200	Hao Xue 585.325.1966	1-Jan-25
Propex Geotex 315ST	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga	Jay Dailey 800.621.0444	1-Jan-24
Shandong Leihua W315	Shandong Leihua Plastic Engineering Co.,Ltd	Cangshan Road,Linshu Industrial Park	Linyi, Shandong 276700	Faye Wang 539.621.1965	1-Jan-25
SKAPS GT110	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-24
SKAPS GT180	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
SKAPS M330	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
SKAPS M440	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
SKAPS SW315	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-26
Solmax Mirafi 180N	Solmax	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-27

Solmax Mirafi 600X	Solmax	365 South Holland Drive	Pendergrass, GA 30567	Keith Harris 706.693.1729	1-Jan-24
Thrace TPG315	Thrace Nonwoven & Geosynthetics S.A.	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-26
US Fabrics 205NW	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45252	Michelle Price 513.271.6000	1-Jan-25
US Fabrics 315	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45252	Michelle Price 513.271.6000	1-Jan-24
Winfab 2x2 HF	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-25
Winfab 315W	Willacoochee Industrial Fabrics, Inc	769 W Main St	Willacoochee, GA 31650	Miranda Adams 912.534.5757	1-Jan-24
Prefabricated Geocomposite Pavement Underdrain (Edgedrain) - 245.03(e)					
AWD Sitedrain Strip 9600 with Propex Geotex 601, with AWD fittings	American Wick Drain	1209 Airport Road	Monroe, NC 28110	Aaron MacNab 704.516.0497	1-Jan-25
TerraDrain Strip 660 with Hanes TerraTex N06 with J-Drain ESD fittings, connectors, end caps, and tape	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-24
J-Drain ESD II with Tencate Mirafi 160N, with J-Drain ESD fittings, connectors, end caps, and tape	JDR Enterprises, Inc.	292 S. Main St., Suite 200	Alpharetta, GA 30009	Wilson B. Harvie 770.442.1461	1-Jan-25
Geocomposite Wall Drains - 245.03(f) - NTPEP does not include wall drains except the fabric					
American Wick Drain DS116, DS186, with Propex Geotex 601	American Wick Drain	1209 Airport Road	Monroe, NC	Aaron MacNab 704.516.0497	1-Jan-25
TerraDrain 106/2- VDOT with Tencate Mirafi 160N	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
J-Drain ES1162P with Tencate Mirafi 160N	JDR Enterprises, Inc.	292 S. Main St., Suite 200	Alpharetta, GA 30009	Wilson B. Harvie 770.442.1461	1-Jan-25
MiraDrain G200NC with Mirafi 160N	TenCate Geosynthetics Americas	365 South Holland Drive	Pendergrass, Georgia	Keith Harris 706.693.1729	1-Jan-25
Geomembrane Moisture Barrier- 245.03(g)					
EPT XTRM PLY PVC HP – 7100 Series 30 mil single ply (EPT is a division of RMA Inc.)	Engineered Polymer Technologies	1227 Central Avenue	Hillside, NJ 07205	Edward J. Silva 908.558.0899	1-Jan-24
Dewatering Bag - 245.03(h)					

ACF Dirtbag 55 (SKAPS GT110 or Propex 1001)	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-24
CSB-series (SKAPS GT110)	CSB-Series	1071 Merchants Lane	Oilville, VA 23129	Tommy Branin 804.264.0128	1-Jan-24
Frank Roberts & Sons GTF-FB series (SKAPS GT110)	Frank Roberts & Sons, Inc.	1130 Robertsville Road	Punxsutawney, PA 15767	Zach Roberts 814.938.5000	1-Jan-24
Geo Products Filter Bags (SKAPS GT110)	GeoProducts LLC	161 Technology Park Drive	Kilmarnock, VA 22482	Jackie Barrack 804.435.7777	1-Jan-24
Hanes TerraTex Filter Bags N10 series (N10)	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-25
Core and Main Q10 Dewatering Bag (SKAPS GT110)	Core and Main Geosynthetics	1800 Springhead Church Road	Willacoochee, GA 31650	Randy Massingill 864.990.6606	1-Jan-24
SKAPS GT110 Dewatering Bag	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-24
Pavement Interlayer - 245.03(i)					
Hanes TerraTex OL-I (Paving Fabric Type II)	Hanes Geo Components	815 Buxton Street	Winston Salem, NC 27101	William Sullivan 336.747.1669	1-Jan-24
Huesker Hatelite G100 (Composite Paving Grid Type II)	Huesker Inc.	3701 Arco Corporate Drive, Suite 525	Charlotte, NC 28273	Michael Samuelof 704.724.1091	1-Jan-24
Petromat 4598 (Paving Fabric Type II)	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga, TN 37421	Jay Dailey 800.621.0444	1-Jan-24
Petromat Enviro (Paving Fabric Type II)	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga, TN 37421	Jay Dailey 800.621.0444	1-Jan-25
Petrotac 4591 (Pavement Repair and Bridge Deck Waterproofing Strip Membrane)	Propex Operating Company, LLC	4019 Industry Drive	Chattanooga, TN 37421	Jay Dailey 800.621.0444	1-Jan-25
SKAPS GC140 (Paving Fabric Type II)	SKAPS Industries	335 Athena Drive	Athens, GA 30601	Kourosh R. Sabzevari 706.354.3700	1-Jan-24
US Fabrics 100P (Paving Fabric Type II)	US Fabrics	3904 Virginia Avenue	Cincinnati, OH 45252	Michelle Price 513.271.6000	1-Jan-24
Low Permeability Liners for Stormwater Management Facilities 245.03(j)					
Bentoliner EC (Geosynthetic Clay Liner)	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26
Bentoliner NSL (Geosynthetic Clay Liner)	ACF Environmental, Inc.	2831 Cardwell Rd	Richmond, VA 23234	Jacob Bottoms 804.275.4109	1-Jan-26

Bentomat 200R (Geosynthetic Clay Liner)	CETCO Bentomat	92 Highway 37	Lovell, WY 82431	Ryan J Nicholls 800.322.1159	1-Jan-26
Bentomat ST (Geosynthetic Clay Liner)	CETCO Bentomat	92 Highway 37	Lovell, WY 82431	Ryan J Nicholls 800.322.1159	1-Jan-26
Prefabricated Vertical Drains - VDOT Special Provision					
Hayward Baker Mebra- Drain MD-7407	Hayward Baker	7989 Cherrywood Loop	Kiowa, CO 80117	Joshua Kolz 303.627.1100	1-Jan-24

(65) SOUND BARRIER PANELS (Design Only) - Structures & Bridge Division

To be included on List 65, the Manufacturer shall follow the requirements of the Road and Bridge Sec. 519.

Precast Producers must be on Approved List 34.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Structures & Bridge Division "Jacob George"

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects verify this and comply as necessary on VDOT federal aid projects.**

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Product	Manufacturer	Street Address	Location	Contact
Precast Concrete (Absorptive and/or reflective)				
Durisol	Durisol Ltd	8270 Greensboro Drive, Suite 810	McLean, VA	Michael Pruden 850.396.0085
Whisper-Wall	Concrete Innovations/Coastal Precast System	5125 Highway 421 North	Wilmington, NC	Stephen McCowin
AcoustaCrete, AngleWall	Faddis Concrete Products	2206 Horseshoe Pike	Honey Brook, PA	Gary Figallo 610.269.4685
Fanwall	The Reinforced Earth Company	12001 Sunrise Valley Drive, Suite 400	Reston, VA	Keith Braybant
Softsound	Smith-Midland Corporation	P.O. Box 300	Midland, VA	Guy Schuch 540.439.3266
Other				
TUF-Barrier, Silent Protector	Atlantic Industries Limited	640 Waydom Drive	Ayr, ON, Canada	Paul Sunseth 519.622.8600
6" Absorptive AcoustaShield, 12" Dec Light Weight Absorptive Sound Barrier Panel	Carsonite Composites	19845 US Highway 76	Newberry, SC	Heath McCutcheon 803.940.1190
Eco Sound Barrier	Centria	1005 Beaver Grade Road	Moon Township, PA	Cory Matchett
Acrylite Soundstop	Roehm America, LLC	1796 Main Street	Sanford, ME	Jeff Zgorski 475.355.5913
AcoustAL	Faddis Concrete Products	2206 Horseshoe Pike	Honey Brook, PA	Gary Figallo 610.269.4685
Plywall	Hoover Treated Wood Products, Inc.	154 Wire Road	Thomson, GA	Pam Floyd
Sound Fighter Systems SonaGuard	Sound Fighter Systems	P.O. Box 7216	Shreveport, LA	Murray Stacy 844.202.2910
Next Soundwall	U.S. Construction Supply Corporation	460 Avenue S	Riviera Beach, FL	Pierre Marc Gendron 561.882.9318

(66) WARM-MIX ASPHALT PRODUCTS AND PROCESSES - Asphalt Lab

To be included on List 66, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 000 and meet Road and Bridge Sec. 211.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Min. Dosage Requirement	Plant Code
Sonnewarmix	All State Asphalt LLC	325 Amherst Rd	Sunderland, MA 01375	0.50%	1
Cecabase RT 945	Arkema Inc	10 Rance Buck Rd	Vanceboro, NC 28586	0.50%	2
AD-here ULTEA 1	ArrMaz	10 Rance Buck Rd	Vanceboro, NC 28586	0.50%	3
Double Barrel Green System	Astec,Inc.	4104 Jerome Ave	Chattanooga, TN 37407		4
Anova	Cargill Industries Specialties	13400 15th Ave North, Suite B	Minneapolis, MN 55440	0.30%	5
Anova 1501	Cargill Industries Specialties	13400 15th Ave North, Suite B	Minneapolis, MN	0.50%	5
Ultrafoam Gx	Gencor	5201 North Orange Blossom Trail	Orlando, FL 32810		6
Evotherm J1	Ingevity	4920 O'Hear Ave	North Charleston, SC 29404	0.03%	7
Evotherm M-1	Ingevity	4920 O'Hear Ave	North Charleston, SC 29404	0.50%	7
Evotherm U3	Ingevity	4920 O'Hear Ave	North Charleston, SC 29404	0.03%	7
PC-2616	Ingevity	4920 O'Hear Ave	North Charleston, SC 29404	0.05%	7
PC-2550	Ingevity	4920 O'Hear Ave	North Charleston, SC 29404	0.04%	7
AQUABlack	Maxam	6501 E. Commerce Ave.	Kansas City, MO 54120	0.50%	8
Sasobit	Sasol International	Johannesburg,	South Africa	0.50%	11
Accu-Shear	StanSteel	12711 Townepark Way	Louisville, KY 40243	0.50%	9
ZycoTherm	Zydex Inc	106 Kitty Hawk Dr.	Morrisville, NC	0.07%	10
ZycoTherm SP2	Zydex Inc	106 Kitty Hawk Dr.	Morrisville, NC	0.05%	10

(68) STORM WATER MANAGEMENT-TRASH RACKS (SWM-DR) - Location & Design

To be included on List 68, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the future (contact L&D) and meet Road and Bridge Sec. 302. **Substitues may be made with the approval of the Engineer at no additional cost to VDOT.**

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Standards & Special Design".

****Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Product	Manufacturer	Street Address	Location	Phone No.
Trash Rack – Round Pyramid Series 24", 36", 48", 60", 72", 84", 96"	Eastern Supply, Inc.	240 McGhee Road	Winchester, VA	540-722-3292
Trash Rack - 4x4 Peak Roof	Eastern Supply, Inc.	240 McGhee Road	Winchester, VA	540-722-3292
Debris Rack and Orifice Plate	Eastern Supply, Inc.	240 McGhee Road	Winchester, VA	540-722-3292
StormRax – Round Series 24", 36", 48", 60"	Plastic Solutions, Inc.	240 McGhee Road	Winchester, VA	5407224694
StormRax -- Pyramid Series 72", 84", 96"	Plastic Solutions, Inc.	240 McGhee Road	Winchester, VA	5407224694
StormRax – Peak Roof Series Square/Rectangular	Plastic Solutions, Inc.	240 McGhee Road	Winchester, VA	5407224694

(69) FENCE MANUFACTURERS - Chemistry Lab

To be included on List 69, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.16 and meet Road and Bridge Sec. 242. Fence must be supplied to project from suppliers on List 70.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

**Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.

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Product	Manufacturer	Street Address	Location	Phone No.	Contact
Pipe , SS-40	Allied Tube and Conduit	16100 S. Lathrop Ave.	Harvey, IL 60426		Steve Disborough
Pipe , SCH-40	Allied Tube and Conduit	16100 S. Lathrop Ave.	Harvey, IL 60426		Steve Disborough
Pipe, GBR (1 5/8, 1 7/8, 2 3/8, 2 7/8)	Ameristar	PO Box 581000	Tulsa, OK 74158	918.835.0898	Tim Ogg
Barbed Wire, Galv	Bekaert Corp.	1395 S. Marietta Pkwy., Bldg 500, Ste 100	Marietta, GA 30067	770.514.2234	John Holland
Woven Wire, Galv	Bekaert Corp.	1395 S. Marietta Pkwy., Bldg 500, Ste 100	Marietta, GA 30067	770.514.2234	John Holland
Brace/Line Wire, Galv	Bekaert Corp.	1395 S. Marietta Pkwy., Bldg 500, Ste 100	Marietta, GA 30067	770.514.2234	John Holland
Post - T	Chicago Heights Steel	211 E. Main	Chicago Heights, IL 60411	708.756.5619	Mario Migliorati
Post - T	CMC Southern Post	100 Columbia 7-B	Magnolia, AR 71753	803.926.7100	Gavin Barnett
DT-40 Posts (2.875, 2.375, 1.90, 1.66)	Dynamic Tube and Pipe	1713 S. Second St.	Piscataway, NJ 08854	908-769-5111	Michael Sondberg
"C" Posts (3.25x2.5, 1.875x1.625, 2.25x1.70, 1.625x1.25 Top rail)	Gregory Industries	4100 13th St. SW	Canton, OH 44710	330.477.4800	Darin Miller
Chain-Length Fence, Galvanized	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Chain-Length Fence, Aluminized	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Chain-Length Fence, Vinyl Coated	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Barbed Wire, Galvanized	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Barbed Wire, ALuminized	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Barbed Wire, Vinyl Coated	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Tension Wire, Galvanized	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten

Tension Wire, Aluminized	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Tension Wire, Vinyl Coated	Guardian Fence Suppliers	1103 Pasture Lane	Columbia, SC 29201	803.926.7100	Bob Masten
Chain-Length Fence, Galvanized	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Chain-Length Fence, Aluminized	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Chain-Length Fence, Vinyl Coated	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Barbed Wire, Galvanized	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Barbed Wire, Aluminized	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Barbed Wire, Vinyl Coated	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Woven Wire, Galvanized	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Woven Wire, Aluminized	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Woven Wire, Vinyl Coated	Iron World	9390 Davis Ave	Laurel, MD 20723	301.776.7448	Dan Mongello
Chain-Length Fence, Galvanized	Master Halco, Inc	10968 Richardson, Rd.	Ashland, VA 23005	804.550.1984	Kendall Wiley
Chain-Length Fence, Aluminized	Master Halco, Inc	10968 Richardson, Rd.	Ashland, VA 23005	804.550.1984	Kendall Wiley
Chain-Length Fence, Vinyl Coated	Master Halco, Inc	10968 Richardson, Rd.	Ashland, VA 23005	804.550.1984	Kendall Wiley
Chain-Length Fence, Galvanized	Merchant Metals	6100-A Columbia Park Rd	Landover, MD 20785	301.927.4080	Matt Way
Chain-Length Fence, Aluminized	Merchant Metals	6100-A Columbia Park Rd	Landover, MD 20785	301.927.4080	Matt Way
Chain-Length Fence, Vinyl Coated	Merchant Metals	6100-A Columbia Park Rd	Landover, MD 20785	301.927.4080	Matt Way
Barbed Wire, Galvanized	Merchant Metals	6100-A Columbia Park Rd	Landover, MD 20785	301.927.4080	Matt Way
Barbed Wire, Aluminized	Merchant Metals	6100-A Columbia Park Rd	Landover, MD 20785	301.927.4080	Matt Way
Tension Wire, Galvanized	Merchant Metals	6100-A Columbia Park Rd	Landover, MD 20785	301.927.4080	Matt Way
Tension Wire, Aluminized	Merchant Metals	6100-A Columbia Park Rd	Landover, MD 20785	301.927.4080	Matt Way
Post - T	Franklin Ind	645 Atlantic Ave	Fanklin, PA 16323	814.432.9310	Jerry Faller
Chain-Length Fence, Galvanized	Stateside Steel & Wire, LLC	304 Wyanoke Rd	West Memphis, AR 72301	870.733.1921	Herb Holley

Pipe, Galvanized	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Pipe, Vinyl Coated	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Chain-Length Fence, Galvanized	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Chain-Length Fence, Aluminized	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Chain-Length Fence, Vinyl Coated	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Barbed Wire, Galvanized	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Barbed Wire, Aluminized	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Barbed Wire, Vinyl Coated	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Tension Wire, Galvanized	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Tension Wire, Aluminized	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Tension Wire, Vinyl Coated	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Woven Wire, Galv	Stephens Pipe & Steel, LLC	4301 46th St	Bladensburg, MD 20710	866.792.5295	Dale Long
Chain-Length Fence, Aluminized	Sonco Worldwide, Inc	5000 Windom Rd.	Bladensburg, MD 20710	301.792.1111	James Crawford
Chain-Length Fence, Vinyl Coated	Sonco Worldwide, Inc	5000 Windom Rd.	Bladensburg, MD 20710	301.792.1111	James Crawford
Tension Wire, Aluminized	Sonco Worldwide, Inc	5000 Windom Rd.	Bladensburg, MD 20710	301.792.1111	James Crawford
Tension Wire, Vinyl Coated	Sonco Worldwide, Inc	5000 Windom Rd.	Bladensburg, MD 20710	301.792.1111	James Crawford
Chain-Length Fence, Galvanized	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford
Chain-Length Fence, Aluminized	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford
Chain-Length Fence, Vinyl Coated	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford
Tension Wire, Galvanized	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford
Tension Wire, Aluminized	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford
Tension Wire, Vinyl Coated	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford
Brace/Line Wire	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford

Barbed Wire, Vinyl Coated	Southwestern Wire, Inc	3505 North Interstate 35	Norman, OK 73069	800.348.9473	Keith Ford
PT-40 Pipe (OD = 1.66, 1.900, 2.375, 2.875,	US Premeir Tube Mills	2855 Michigan Rd.	Madison, IN 47250	219.346.0543	Scott Young
Pipe, WT-40	Wheatland Tube Co.	1 Council Ave.	Wheatland, PA 16161	724.342.6851	Michael Ryan
Pipe , SCH-40	Wheatland Tube Co.	1 Council Ave.	Wheatland, PA 16161	724.342.6851	Michael Ryan

(70) QA FENCE SUPPLIERS LIST - Quality Assurance Division

To be included on List 70, the Supplier shall follow the requirements of the Manual of Instructions Sec 204.16b and meet Road and Bridge Sec. 242.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Quality Assurance Section".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Supplier	Street Address	Location	Contact	Email address
A & A Fence Construction	9319 Mike Garcia Drive	Manassas, VA	Tim Boleyn 571.379.5254	david@aaconstruct.com
American Highway Fence, Inc.	220 Midland Trail	Mt. Sterling, KY	Robert Reynolds 859.498.3658	ahfinc@bellsouth.net
Atlantic Fence Supply	11330 Washington Hwy.	Ashland, VA	Matthew Lunze 804.798.8011	MLunze@AFSFence.com
Beitzell Fence *P	4665 Sudley Road	Catharpin, VA	Karen Beitzell 703.754.0011	Karen@beitzellfence.com
Guardrail of Roanoke	13 Clover Ave N.E.	Roanoke, VA	Shannon Starkey 540.520.4723	guardrailroanoke@verizon.net
Hercules Fence – Ashland	11074 Air Park Rd.	Ashland, VA	Chris Hilliar 757.321.6715	Chris@herculesfence.com
Hercules Fence – Manassas	8194 Euclid Ct.	Manassas, VA	Jay Klebanoff 757.321.6715	jay@herculesfence.com
Hercules Fence – Norfolk	1526 Early St.	Norfolk, VA	Jay Klebanoff 757.321.6715	jay@herculesfence.com
Hercules Fence – Yorktown	1807 George Washington Hwy.	Yorktown, VA	Bill Underwood 757.321.6715	bill@herculesfence.com
Long Fence	42521 John Mosby Hwy	Chantilly, VA	Andy Lutz 703.471.0960	alutz@longfence.com
McPeak Supply (P)	2010 Apperson Drive	Salem, VA	Gerald McPeak 540.427.7294	Gerald.mcpeak@mcpeaksupply.com

(71) POLYETHYLENE SHEETING - Physical Lab

To be included on List 71, the Manufacturer shall follow the requirements of the Manual of Instructions Sec. 204.13a and meet Road and Bridge Sec. 220.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects verify this and comply as necessary on VDOT federal aid projects.

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Product	Manufacturer	Street Address	Location	Phone No.
White Polyethylene Sheeting				
877141001216 (4 mils, 20 feet wide, white)	Napco Bag & Film	1301 Childers	Orange, TX 77630	4098860111
CF0420W (4 mils, 20 feet wide, white)	Poly America	2000 W Marshall Drive	Grand Prairie, TX 75051	9723377100
CF0428W (4 mils, 28 feet wide, white)	Poly America	2000 W Marshall Drive	Grand Prairie, TX 75051	9723377100
CF0620W (6 mils, 20 feet wide, white)	Poly America	2000 W Marshall Drive	Grand Prairie, TX 75051	9723377100
871222006930 (6 mils, 20 feet wide, white)	Rodeo Plastic Bag	3328 Executive Blvd	Mesquite, TX 75149	9722163331
Transparent/Opaque Polyethylene Sheeting				
877141001193 (4 mils, 20 feet wide, transparent)	Napco Bag & Film	1301 Childers	Orange, TX 77630	4098860111
CF0420 (4 mils, 20 feet wide, transparent)	Poly America	2000 W Marshall Drive	Grand Prairie, TX 75051	9723377100
CF0428 (4 mils, 28 feet wide, transparent)	Poly America	2000 W Marshall Drive	Grand Prairie, TX 75051	9723377100
CF0620 (6 mils, 20 feet wide, transparent)	Poly America	2000 W Marshall Drive	Grand Prairie, TX 75051	9723377100
871222000822 (6 mils, 20 feet wide, transparent)	Rodeo Plastic Bag	3328 Executive Blvd	Mesquite, TX 75149	9722163331

(72) DETECTABLE WARNING PLATES - Location & Design

To be included on List 72, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Road and Bridge Sec. 504.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Standards & Special Design".

**Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Phone No.	Description
AccessTile Cast in Place (Replaceable)	AccessTileAccess Tile	241 Main Street Suite 100	Buffalo, NY	8886794022	Engineer composite polymer cast in place replaceable plate
ADA Solutions (Cast In Place Composite Tactile)	ADA Solutions, Inc.	323 Andover Street Suite 3	Wilmington, MA	8003720519	Homogenous glass and carbon composite cast in place panel
ADA Solutions (Replaceable composite tactile)	ADA Solutions, Inc.	323 Andover Street Suite 3	Wilmington, MA	8003720519	Homogenous glass and carbon composite replaceable (wet set) plate
ADA Solutions (Surface Mount Tactile)	ADA Solutions, Inc.	323 Andover Street Suite 3	Wilmington, MA	8003720519	Acceptable for temporary installations in which the product would be in service 6 months or less
AlertCast	Detectable Warning Systems, Inc.	3205 Randall Parkway Suite 215	Wilmington, NC 28403	8669997452	Glass reinforced, thermoset composite replaceable cast in place plate
castiron	Detectable Warning Systems, Inc.	3205 Randall Parkway Suite 215	Wilmington, NC 28403	8669997452	Cast Iron cast in place detectable warning system
Armor-Tile (Cast in Place)	Armor-Tile Tactile Systems ENGINEERED PLASTICS INC	300 International Drive Suite 100	Williamsville, NY	8006822525	Cast in Place Vitrified Polymer Composite plate
Armor-Tile (Modular Pavers)	Armor-Tile Tactile Systems ENGINEERED PLASTICS INC	300 International Drive Suite 100	Williamsville, NY	8006822525	Vitrified polymer paving system that can be dry laid on compacted fill or set in grout
Duralast	East Jordan Iron Works	301 Spring Street	East Jordan, MI	8008744100	Gray Iron Detectable Warning Plates

Neenah Foundry Detectable Warning Plates	Neenah Foundry	2121 Brooks Ave	Neenah, WI	8005585075	Gray Iron Detectable Warning Plates.
12" Matte VIP Paver 24" Matte VIP Paver	Nitterhouse Masonry Products	859 Cleveland Avenue	Chambersburg, PA	7172684137	Masonry Pavers
DWT Tough-EZ	Three D Traffic Works	430 N Varney Street	Burbank, CA	8778439757	Acceptable for temporary installations in which the product would be in service 6 months or less
Detectable Warning Style Prest Pavers	Hanover Architectural Products	5000 Hanover Road	Hanover, PA	8004264242	Hydraulically pressed concrete pavers
TufTile Wet Set	TufTile, Inc.	1200 Flex Court	Lake Zurich, IL	8889608897	To be used for permanent installations High Impact Polymer Wet- Set (Replaceable) and the Cast Iron Tiles Wet- Set (Relaceable)
TufTile Surface Applied	TufTile, Inc.	1200 Flex Court	Lake Zurich, IL	8889608897	For use in temporary installations in service for 6 months or less High Impact Polymer Surface Applied Tiles (Replaceable)

(73) WHITE & YELLOW PREFORMED THERMOPLASTIC - Chemistry Lab

To be included on List 73, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.30 and meet Road and Bridge Sec. 246.

<https://www.virginia.gov/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	VDOT Approval No.
White				
PreMark	Ennis-Flint	115 Todd Court	Thomasville, NC 27360	PMM (05)-PA-042
PreMark XF	Ennis-Flint	115 Todd Court	Thomasville, NC 27360	PMM-2017-01-028
PreMark XF (VG)	Ennis-Flint	115 Todd Court	Thomasville, NC 27360	PMM-2017-01-030
Hot Tape (Pre-Heat)	Ennis-Flint	115 Todd Court	Thomasville, NC 27360	PMM (08)-PA-132
Flame Tape (Pre-Heat)	Ennis-Flint	115 Todd Court	Thomasville, NC 27360	PMM (08)-PA-059
White Tuff-Mark	Crown Technology, LLC	600 Poplar Drive	Thomaston, GA	PMM-2017-01-168
Optamark White	Geveko	1883 New Harvest Road	Gainesville, GA 30537	PMM-2015-01-075
Preformed White	Ozark Materials, LLC	591 Glendale Ave.	Greenville, AL 36037	PMM-2014-01-134
Preform PSFW, White	Preform, LLC			PMM-2018-01-096
Preformed White	Swarco	919 N. James Campbell Blvd.	Columbia, TN 38401	PMM(08)-PA-224
Yellow				
PreMark	Ennis-Flint	115 Todd Court	Thomasville, NC 27360	PMM (02)-PA-065
PreMark XF	Ennis-Flint	115 Todd Court	Thomasville, NC 27360	PMM-2017-01-029
Optamark Yellow	Geveko	1883 New Harvest Rd	Gainesville, GA 30537	PMM-2015-01-078
Preformed Yellow	Ozark Materials, LLC	591 Glendale Ave.	Greenville, AL 36037	PMM-2015-01-119

(74) POLYUREA PAVEMENT MARKINGS - Chemistry Lab

To be included on List 74, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Chemistry Lab) and meet Road and Bridge Sec. 246.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Color	Retroreflective Optic	NTPEP Approval No
5001	3M	3M Innovation Center	Maplewood, MN 55119	White	5 lbs) and 18/50 Ut	PMM 2018-01-011
5001	3M	3M Innovation Center	Maplewood, MN 55119	Yellow	5 lbs) and 18/50 Ut	PMM 2018-01-010
LS-90	Eppoplex	1000 E Park Ave	Maple Shade, NJ 080852	White	M247, Type 1 (10 lbs) and Visi Bead Plus II (10 lbs)	PMM-2014-01-045
LS-90	Eppoplex	1000 E Park Ave	Maple Shade, NJ 080852	Yellow	M247, Type 1 (10 lbs) and Visi Bead Plus II (10 lbs)	PMM-2014-01-046
GM-90	Eppoplex	1000 E Park Ave	Maple Shade, NJ 080852	White	M247, Type 1 (6 lbs) and Visi Bead Plus II (6 lbs)	PMM-2006-MS-036
HPS-5	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222	White	M247, Type 1 (10 lbs) and Type 4 (10 lbs)	PMM-2008-PA-124
HPS-5	Ennis-Flint	4400 Vawter Ave	Richmond, VA 23222	Yellow	M247, Type 1 (Flood) and Type 4 (Flood)	PMM-2005-PA-050

(75) EPOXY PAVEMENT MARKINGS - Chemistry Lab

To be included on List 75, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.30 and meet Road and Bridge Sec. 246.

<https://www.viriniadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Color	NTPEP Approval No
HPS-3	Ennis-Flint	4400 Vawter Ave	Richmond, VA	White	PMM-08-PA-180
HPS-3	Ennis-Flint	4400 Vawter Ave	Richmond, VA	Yellow	PMM-08-PA-121
Lumiline III	Accent Stripe	3275 N Benzing Rd	Orchard Park, NY	White	PMM-08-PA-110
Lumiline III	Accent Stripe	3275 N Benzing Rd	Orchard Park, NY	Yellow	PMM-08-PA-111
MARK 55.3	Olin Poly-Carb	9456 Freeway Drive	Macedonia, OH	White	PMM-08-PA-180
MARK 55.3	Olin Poly-Carb	9456 Freeway Drive	Macedonia, OH	Yellow	PMM-08-PA-181
LS-50	Epoplex	1000 E Park Ave	Maple Shade, NJ	White	PMM-08-PA-190
LS-50	Epoplex	1000 E Park Ave	Maple Shade, NJ	Yellow	PMM-08-PA-191

(76) VIRGINIA GLASS BEADS (VGBAP) - Chemistry Lab

To be included on List 76, the Manufacturer shall follow the requirements of the Manual of Instructions Sec 204.30 and meet Road and Bridge Sec. 234.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects verify this and comply as necessary on VDOT federal aid projects.

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Manufacturer	Street Address	Location	Phone	Approval Date
Potters Industries	72 Reynolds Road	Pottsdam, NY	315.265.4920	Jul-08
Potters Industries	820 Lufkin Road	Apex, NC	919.362.7574	Prior to 2006
Potters Industries	1601 NW 19 Street	Paris, TX		
Swarco Industries	901 North James Campbell Blvd.	Columbia, TN	931.560.4172	Oct-15
Hillcrest Industries	40 Favor Street	Attica, NY	585.591.1182	March 2017 (VDOT batches distributed by Ennis-Flint)
Ozark Materials LLC	591 Glendale Ave.	Greenville, Al	334.213.2995	Nov-20

(77) ASPHALT PLUG JOINT SYSTEMS - Physical Lab

To be included on List 77, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact physical lab) and meet Road and Bridge Sec. 424.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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System	Manufacturer	Street Address	Location	Phone No.
Matrix 501	Crafco, Inc.	6165 W. Detroit Street	Chandler, AZ 85226	800.528.8242
Matrix 502	D.S. Brown Company	300 East Cherry Street	North Baltimore, OH 45872	419.257.3561
Flexible Bridge Joint System	Deery American Corporation	1896 Hwy 6 & 50	Grand Junction, CO 81502	800.2274059
Thorma-Joint	Dynamic Surface Application, Ltd	373 Village Rd	Pennsdale, PA 17756	800.491.5663
Fibrejoint	FPT Infrastructure	401 Old US 52 South	Mount Airy, NC 27030	336.789.7259
Expandex Joint System (Wabo-Expandex)	Watson Bowman ACME, Inc	95 Pineview Dr	Amherst, NY 14228	800.677.4922

(78) COLD MIX ASPHALT - Asphalt Lab

To be included on List 78, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact asphalt lab) and meet Road and Bridge Sec. 211.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Asphalt Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Types
QPR	Quikrete Companies BDA QPR	7322 Bonnyshire Dr	Chattanooga, TN	COLD MIX ASPHALT
Styrelf	Koch Materials Company	1464 Garner Station Blvd.	Raleigh, NC	COLD MIX ASPHALT
Hei-Way	Heilman Pavement specialties, Inc.	290 North Pike Rd	Sarver, PA	COLD MIX ASPHALT
Bond-x green	Seaboard Asphalt Products	3601 Fairfield Rd	Baltimore, MD	COLD MIX ASPHALT
Sylcrete EV	Slycrete corporation		South Salem, NY	COLD MIX ASPHALT
ProLine cold asphalt	Logan County Asphalt	2605 Commerce Blvd.	Guthrie, OK	COLD MIX ASPHALT
EZ Street Cold Mix Asphalt	The EZ street Company	1786 NW 82nd Ave	Miami, FL	COLD MIX ASPHALT
Perma Patch	Perma-Patch, LLC.	6123 Oakleaf Ave.	Baltimore, MD	COLD MIX ASPHALT
UPM Cold Mix Asphalt Repair	Unique Paving Material		Ramseu, NC	COLD MIX ASPHALT
Green Patch	Green Patch Corp	65 Edison Ave	Mount Vernon, NY	COLD MIX ASPHALT
MAX-A-PATCH ACP	SpecChem LLC.	1151 Baltimore Ave	Kansas City, MO	COLD MIX ASPHALT
Aquaphalt 4.0 Fine (4.75mm)	RoadStone Production, LLC	1230 River Road	Charlottesville, VA	H2O ACTIV. COLD MIX
Aquaphalt 6.0 medium (9.5 mm)	RoadStone Production, LLC	1230 River Road	Charlottesville, VA	H2O ACTIV. COLD MIX
Aquaphalt 9.0 coarse (12.5 mm)	RoadStone Production, LLC	1230 River Road	Charlottesville, VA	H2O ACTIV. COLD MIX
Aqua Patch (12.5mm)	Jalux Americas, Inc	390 N. Pacific Coast Hwy	El Segundo, CA	H2O ACTIV. COLD MIX
Bond-X	Seaboard Asphalt Products	3601 Fairfield Rd	Baltimore, MD	COLD MIX ASPHALT

(79) MULCHES (HECP TYPES 1-4) - Maintenance Division

To be included on List 79, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Maintenance Division) and meet Road and Bridge Sec. 244.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Maintenance Division.

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product	Manufacturer	Street Address	Location	Phone No.	Type
HydraGS	North American Green	5401 St. Wendel-Cynthiana Road	Poseyville, IN 47633	800.77.2204	MULCH, HECP Type 1
Country Boy Cellulose	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
EcoBlend	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
HydroCover Blend	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
HydroCover Cellulose	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
EcoFibre Wood	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
EcoFibre Plus Tackifier	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
HydroCover Wood	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
HydroCover Wood with Tack	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1

Profile Wood	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
Profile Wood with Tackifier	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
Profile Blend	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
Profile Blend with Tackifier	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
Profile Cellulose	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
Profile Cellulose with Tackifier	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
Profile Speciality Blend with Tack	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
SB 50-50	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 1
Mulch & Grow Hybrid 70/30 Blend	Carolina Precision Fibers, Inc.	145 Factory Street	Ronda, NC 28670	Fred Vincelli, Jr. 366.527.4140	MULCH, HECP Type 1
HydraGT	North American Green	5401 St. Wendel- Cynthiana Road	Poseyville, IN 47633	800.772.2040	MULCH, HECP Type 2
Terra-Matrix SMM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 2

Earthguard Fiber Matrix	LSC Environmental Products (formerly Terra Nova)	2183 Pennsylvania Ave.	Apalachin, NY 13732	Sam Morris 800.545.1755	MULCH, HECP Type 3 (@ 2,500 lb/ac)
HydraCM	North American Green	5401 St. Wendel-Cynthiana Road	Poseyville, IN 47633	800.772.2040	MULCH, HECP Type 3
EcoAegis BFM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 3
EcoMatrix EFM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 3
Hydro-Blanket BFM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 3
ProMatrix EFM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 3
Proganics Dual	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Lauren Deem 866.625.6262	MULCH, HECP Type 3
Earthguard Fiber Matrix	LSC Environmental Products (formerly Terra Nova)	2183 Pennsylvania Ave.	Apalachin, NY 13732	Sam Morris 800.545.1755	MULCH, HECP Type 4
HydraCX	North American Green	5401 St. Wendel-Cynthiana Road	Poseyville, IN 47633	800.772.2040	MULCH, HECP Type 4
CocoFlex ET-FGM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Laura Deem 866.625.6262	MULCH, HECP Type 4
EcoFlex HP-FGM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Laura Deem 866.625.6262	MULCH, HECP Type 4
Flexterra HP-FGM	Profile Products LLC	750 Lake Cook Road	Buffalo Grove, IL 60089	Laura Deem 866.625.6262	MULCH, HECP Type 4

(80) TEMPORARY ROLLED CONTROL PRODUCTS (EC-2 TYPE 1 - 4) - Location & Design

To be included on List 80, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Road and Bridge Sec. 244.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Stormwater Management Program".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone No.	Type
Curlex I	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type I
Curlex I CL	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type I
Curlex I FibreNet	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type I
Curlex Netfree	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type I
AEC Premier Straw Single Net	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type I
Premier Straw® Single Net FibreNet™	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type I
ECS-1 Single Net Straw	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type I
ECS-1B Single Net Straw Biodegradable	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type I
ECX-1 Single Net Excelsior	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type I
ECS-2B Double Net Straw Biodegradable	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type I
ETRS-1	Erosion Tech, LLC	83 Central Penn Ave	Belleville PA 17004	8773528284	EC-2, Type I
TerraGuard SS	Hanes Geo Components	815 Buxton Street	Winston Salem, NC	8882394539	EC-2, Type I

S75,	North American Green	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type I
Excel SR-1	Western Excelsior	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type I
Curlex II CL	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type II
AEC Premier Straw Double Net	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type II
Premier Straw® Double Net FibreNet™	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type II
ECS-2 Double Net Straw	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type II
ECSC-2B Double Net Straw/Coconut	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type II
ETRS-2	Erosion Tech, LLC	83 Central Penn Ave	Belleville PA 17004	8773528284	EC-2, Type II
ETSC-7030	Erosion Tech, LLC	83 Central Penn Ave	Belleville PA 17004	8773528284	EC-2, Type II
ETX-2-HVBN	Erosion Tech, LLC	83 Central Penn Ave	Belleville PA 17004	8773528284	EC-2, Type II
S2000BD	EnviroScape	300 S. Chestnut	Deshler, OH 43516	4192782000	EC-2, Type II
TerraGuard DS	Hanes Geo Components	815 Buxton Street	Winston Salem, NC	8882394539	EC-2, Type II
Nedia S400	Nedia Enterprises, Inc.	44675 Cape Court Suite 120	Ashburn, VA	8887256999	EC-2, Type II
S150	North American Green	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type II
Excel SS-2	Western Excelsior	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type II

Curlex II CL	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type III
AEC Premier Straw/Coconut	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type III
Curlex™ II FibreNet™	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type III
Premier Straw/Coconut™ FibreNet™	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type III
ECC-2B Double Net Coconut Biodegradable	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type III
ECSC-2 Double Net Straw/Coconut	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type III
ECX-2 Double Net Excelsior	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type III
ETC-100-BN	Erosion Tech, LLC	83 Central Penn Ave	Belleville PA 17004	8773528284	EC-2, Type III
ETSC-7030-BN	Erosion Tech, LLC	83 Central Penn Ave	Belleville PA 17004	8773258284	EC-2, Type III
TerraGuard DSC	Hanes Geo Components	815 Buxton Street	Winston Salem, NC	8882394539	EC-2, Type III
Nedia SC-400	Nedia Enterprises, Inc.	44675 Cape Court Suite 120	Ashburn, VA	8887256999	EC-2, Type III
Nedia SC-400B	Nedia Enterprises, Inc.	44675 Cape Court Suite 120	Ashburn, VA	8887256999	EC-2, Type III
SC150	North American Green	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type III
Excel R-2	Western Excelsior	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type III
Excel CS-3	Western Excelsior	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type III
Curlex III	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type IV

Curlex High Velocity	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type IV
Curlex Enforcer	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type IV
AEC Premier Coconut	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type IV
Premier Coconut™ FibreNet™	American Excelsior Company	831 Pionee Avenue	Rice Lake, WI	7152366861	EC-2, Type IV
ECC-2 Double Net Coconut	East Coast Erosion Control	443 Bricker Road	Bearville, PA	6104488496	EC-2, Type IV
C32BD	Erosion Control Blanket	Hwy 9 & Vidor Line Rd	Riverton, Manitoba ROC 2 RO Canada	8662807327	EC-2, Type IV
TerraGuard DC	Hanes Geo Components	815 Buxton Street	Winston Salem, NC	8882394539	EC-2, Type IV
Nedia C400	Nedia Enterprises, Inc.	44675 Cape Court Suite 120	Ashburn, VA	8887256999	EC-2, Type IV
Nedia C400B	Nedia Enterprises, Inc.	44675 Cape Court Suite 120	Ashburn, VA	8887256999	EC-2, Type IV
C125	North American Green	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type IV
Excel CC-4	Western Excelsior	4609 E Boonville	Evansville, IN	8665409810	EC-2, Type IV

(81) PERMANENT ROLLED CONTROL PRODUCTS (EC-3 TYPE 1 - 3) - Location & Design

To be included on List 81, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Road and Bridge Sec. 244.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Stormwater Management Program".

****Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.**

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Product	Manufacturer	Street Address	Location	Phone No.	Type
Nedia PTRM 340	Nedia Enterprises	44675 Cape Court, Suite 120	Ashburn, VA	8887256999	EC-3 Type 1
Nedia PTRM 440	Nedia Enterprises	44675 Cape Court, Suite 120	Ashburn, VA	8887256999	EC-3 Type 2
LandLok 435	Propex GeoSolutions	4019 Industry Drive	Chattanooga, TN	8006211273	EC-3 Type 2
AEC Recyclex TRM-V	American Excelsior Company	831 Pioneer Avenue	Rice Lake, Wisconsin	7152366861	EC-3 Type 3
AEC Recyclex TRM	American Excelsior Company	831 Pioneer Avenue	Rice Lake, Wisconsin	7152366861	EC-3 Type 3
Trinet Curlex	American Excelsior Company	831 Pioneer Avenue	Rice Lake, Wisconsin	7152366861	EC-3 Type 3
Trinet Recyclex	American Excelsior Company	831 Pioneer Avenue	Rice Lake, Wisconsin	7152366861	EC-3 Type 3
Trinet Coconut	American Excelsior Company	831 Pioneer Avenue	Rice Lake, Wisconsin	7152366861	EC-3 Type 3
Trinet Straw / Coconut	American Excelsior Company	831 Pioneer Avenue	Rice Lake, Wisconsin	7152366861	EC-3 Type 3

ECP-2 10-oz. Double Net Poly	East Coast Erosion Control	443 Bricker Road	Bearville, Pennsylvania	6104488496	EC-3 Type 3
ECP-2 Double Net Poly	East Coast Erosion Control	443 Bricker Road	Bearville, Pennsylvania	6104488496	EC-3 Type 3
ECP-3 Triple Net Poly	East Coast Erosion Control	443 Bricker Road	Bearville, Pennsylvania	6104488496	EC-3 Type 3
PC42	Erosion Control Blanket	Blanket Highway 8 & Vidir Line Road Riverton	Manitoba ROC 2R0 Canada	8662807327	EC-3 Type 3
PS42	Erosion Control Blanket	Blanket Highway 8 & Vidir Line Road Riverton	Manitoba ROC 2R0 Canada	8662807327	EC-3 Type 3
ETPP-10	Erosion Tech, LLC	83 Central Penn Ave	Belleville, PA 17004	8773528284	EC-3 Type 3
Shear Force10	GrassWork, LLC	2381 Centerline Industrial Drive	St. Louis, Missouri	8124831532	EC-3 Type 3
Nedia PTRM 640	Nedia Enterprises	44675 Cape Court, Suite 120	Ashburn, VA	8887256999	EC-3 Type 3
SC250	North American Green	5401 St. Wendel-Cynthiana Road	Poseyville, Indiana	8007722040	EC-3 Type 3
C350	North American Green	5401 St. Wendel-Cynthiana Road	Poseyville, Indiana	8007722040	EC-3 Type 3
ArmorMax 75	Propex GeoSolutions	4019 Industry Drive	Chattanooga, TN	8006211273	EC-3 Type 3
PyraMat 25	Propex GeoSolutions	4019 Industry Drive	Chattanooga, TN	8006211273	EC-3 Type 3

PyraMat 50	Propex GeoSolutions	4019 Industry Drive	Chattanooga, TN	8006211273	EC-3 Type 3
PyraMat 75	Propex GeoSolutions	4019 Industry Drive	Chattanooga, TN	8006211273	EC-3 Type 3
LandLok 450	Propex GeoSolutions	4019 Industry Drive	Chattanooga, TN	8006211273	EC-3 Type 3
Flexamat	Motz Enterprises, Inc.	3153 Madison Road	Cincinnati, OH 45209	5137726689	EC-3 Type 3
Shoreflex	Shoretex, LLC	38200 Louisiana Highway 16	Denham Springs, LA	2253043985	EC-3 Type 3

(82) BIOLOGICAL GROWTH STIMULANTS - Maintenance Division

To be included on List 82, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Maintenance Division) and meet Road and Bridge Sec. 244.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Maintenance Division.

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone No.
BioPrime	Profile Product LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262
JumpStart	Profile Product LLC	750 Lake Cook Road, Suite 440	Buffalo Grove, IL 60089	Lauren Deem 866.325.6262

(83) SEDIMENT RETENTION ROLLS (Compost Filter Socks & Sediment Tubes - Location & Design

To be included on List 83, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact L&D) and meet Road and Bridge Sec. 244.

<https://www.virginia-dot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Stormwater Management Program".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone No.	Type
Filtrex 5 mil High Density Polyethylene (HDPE) Photodegradable	Filtrex International	244 Third Street	Decatur, GA	4046878393	COMPOST FILTER SOCKS
Filtrex Multi-Filament Polypropylene (MFPP)	Filtrex International	244 Third Street	Decatur, GA	4046878393	SEDIMENT TUBE
Filtrex Multi-Filament Polypropylene DuraSoxx (Heavy Duty)	Filtrex International	244 Third Street	Decatur, GA	4046878393	SEDIMENT TUBE
Filtrex Multi-Filament Polypropylene DuraSoxx	Filtrex International	244 Third Street	Decatur, GA	4046878393	SEDIMENT TUBE
Filtrex Multi-Filament Polypropylene SafetySoxx	Filtrex International	244 Third Street	Decatur, GA	4046878393	SEDIMENT TUBE
AGgrow Wattle	AGgrow Tech, LLC	300 North Greene St., Suite 2185	Greensboro, NC	8666087301	SEDIMENT TUBE
Curlex Sediment Log	American Excelsior Company	831 Pioneer Ave.	Rice Lake, WI	7152265643	SEDIMENT TUBE
Premier Straw Wattle	American Excelsior Company	831 Pioneer Ave.	Rice Lake, WI	7152265643	SEDIMENT TUBE
Terra-Tubes Fiber Filtration Tube (FFT)	Profile Products LLC	750 Lake Cook Road, Suite 440	Buffalo Grove	8005088681	SEDIMENT TUBE
BioD-SiltTrap	RoLanka International, Inc.	155 Andrew Drive	Stockbridge, GA	8007603215	SEDIMENT TUBE
BioD-SiltTrap - W	RoLanka International, Inc.	155 Andrew Drive	Stockbridge, GA	8007603215	SEDIMENT TUBE
Switch Sock	MKB Company	83 Central Penn Av.	Belleville, PA	7249554353	SEDIMENT TUBE
Siltworm 18"	Siltworm Inc.	1110 E. Main St	Griffith, IN	2194887240	SEDIMENT TUBE

(85) CEMENT MANUFACTURERS - Physical Lab

To be included on List 85, the Source shall follow the requirements of the Manual of Instructions Sec. 204.09 and meet Road and Bridge Sec. 214.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Physical Lab".

** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects

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Product Types	Source	Street Address	Location	Phone No.	Plant ID	Max Alkali Content %
Type I	Argos Calera, AL	8039 Alabama 25 West	Calera, AL 35040	8003310022	111	0.60
Type II	Argos Calera, AL	8039 Alabama 25 West	Calera, AL 35040	8003310022	111	0.60
Type I LA	Argos Cartagena, Colombia	ZONA INDUSTRIAL DE MAMONAL KM 7	Cartagena, Colombia		115	0.60
Type II LA	Argos Cartagena, Colombia	ZONA INDUSTRIAL DE MAMONAL KM 7	Cartagena, Colombia		115	0.60
Type I LA	Argos Devnya, Bulgaria		Devnya, Bulgaria		76	0.60
Type II LA	Argos Devnya, Bulgaria		Devnya, Bulgaria		76	0.60
Type I	Argos Mylaki, Greece	34500 Milaki, Aliveri, Evia Greece	Mylaki, Greece		85	0.60
Type II	Argos Mylaki, Greece	34500 Milaki, Aliveri, Evia Greece	Mylaki, Greece		85	0.60
Type I	Argos Harleyville, SC	463 Judge Street	Harleyville, SC 29448		20	0.60
Type II	Argos Harleyville, SC	463 Judge Street	Harleyville, SC 29448		20	0.60
Type III	Argos Harleyville, SC	463 Judge Street	Harleyville, SC 29448		20	0.60
Type I	Argos Martinsburg, WV	1826 South Queen Street	Martinsburg, WV		12	0.75
Type II	Argos Martinsburg, WV	1826 South Queen Street	Martinsburg, WV		12	0.75
Type III	Argos Martinsburg, WV	1826 South Queen Street	Martinsburg, WV		12	0.75
Type II LA	Argos Martinsburg, WV	1826 South Queen Street	Martinsburg, WV		12	0.75
Type I	Argos Newberry, FL	4000 N.W. County Road 235	Newberry, FL		108	0.60
Type II	Argos Newberry, FL	4000 N.W. County Road 235	Newberry, FL		108	0.60
Type III	Argos Newberry, FL	4000 N.W. County Road 235	Newberry, FL		108	0.60
Type I	Argos / Nuh Cimento		Kocaeli, Turkey		123	0.60

Type II	Argos / Nuh Cimento		Kocaeli, Turkey		123	0.60
Type I	Buzzi Unicem USA Signal Mtn	1201 Suck Creek Rd	Chattanooga, TN 37405	4238860800	120	0.60
Type II	Buzzi Unicem USA Signal Mtn	1201 Suck Creek Rd	Chattanooga, TN 37405	4238860800	120	0.60
Type III	Buzzi Unicem USA Signal Mtn	1201 Suck Creek Rd	Chattanooga, TN 37405	4238860800	120	0.60
Type I	Cemex Knoxville, TN	6212 Cement Plant Rd	Knoxville, TN 37924	8009923639	15	0.60
Type II	Cemex Knoxville, TN	6212 Cement Plant Rd	Knoxville, TN 37924	8009923639	15	0.60
Type I	Federal White Cement Woodstock, Ontario	355151 35th Line	Woodstock, Ontario N0J 1J0	5194855410	112	0.50
Type I	Giant Cement Company Harleyville, SC	654 Judge St	Harleyville, SC 29448	8034965033	52	0.60
Type II	Giant Cement Company Harleyville, SC	654 Judge St	Harleyville, SC 29448	8034965033	52	0.60
Type I	Giant Cement - Sonmez Tukey Wilmerton, NC	Adana Yumurtalik Serbest Bölgesi	Ceyhan ADANA Turkey		122	1.00
Type II	Giant Cement - Sonmez Tukey Wilmerton, NC	Adana Yumurtalik Serbest Bölgesi	Ceyhan ADANA Turkey		122	1.00
Type I	Keystone Cement Bath, PA	6507 Nor Bath Blvd	Bath, PA 18014	6108371881	114	0.97
Type II	Keystone Cement Bath, PA	6507 Nor Bath Blvd	Bath, PA 18014	6108371881	114	0.97
Type I LA	Kosmos Cement Louisville, KY	15301 Dixie Hwy	Louisville, KY 40272	8009923639	41	0.60
Type II LA	Kosmos Cement Louisville, KY	15301 Dixie Hwy	Louisville, KY 40272	8009923639	41	0.60
Type III LA	Kosmos Cement Louisville, KY	15301 Dixie Hwy	Louisville, KY 40272	8009923639	41	0.60
Type I	Kosmos Cement Louisville, KY	15301 Dixie Hwy	Louisville, KY 40272	8009923639	41	0.75
Type II	Kosmos Cement Louisville, KY	15301 Dixie Hwy	Louisville, KY 40272	8009923639	41	0.75
Type III	Kosmos Cement Louisville, KY	15301 Dixie Hwy	Louisville, KY 40272	8009923639	41	0.75
Type I	Holcim Hagerstown, MD	1260 Security Rd	Hagerstown, MD 21742	240-452-4925	25	1.00
Type II	Holcim Hagerstown, MD	1260 Security Rd	Hagerstown, MD 21742	240-452-4925	25	1.00
Type III	Holcim Hagerstown, MD	1260 Security Rd	Hagerstown, MD 21742	240-452-4925	25	1.00
Type I	Holcim Holly Hill, SC	2173 Gardnew Blvd	Holly Hill, SC 29059	8034962902	16	0.60
Type II	Holcim Holly Hill, SC	2173 Gardnew Blvd	Holly Hill, SC 29059	8034962902	16	0.60
Type III	Holcim Holly Hill, SC	2173 Gardnew Blvd	Holly Hill, SC 29059	8034962902	16	0.60

Type I	Lehigh Heidelberg Cement Group Canakkale, TR		Canakkale, Turkey		73	0.60
Type II	Lehigh Heidelberg Cement Group Canakkale, TR		Canakkale, Turkey		73	0.60
Type I	Lehigh Heidelberg Cement Group Evansville, PA	537 Evansville Rd	Evansville, PA 19522	6109261024	83	1.00
Type II	Lehigh Heidelberg Cement Group Evansville, PA	537 Evansville Rd	Evansville, PA 19522	6109261024	83	1.00
Type III	Lehigh Heidelberg Cement Group Evansville, PA	537 Evansville Rd	Evansville, PA 19522	6109261024	83	1.00
Type I	Lehigh Heidelberg Cement Group Union Bridge, MD	675 Quaker Hill Rd	Union Bridge, MD 21791	4103861210	10	0.60
Type II	Lehigh Heidelberg Cement Group Union Bridge, MD	675 Quaker Hill Rd	Union Bridge, MD 21791	4103861210	10	0.60
Type III	Lehigh Heidelberg Cement Group Union Bridge, MD	675 Quaker Hill Rd	Union Bridge, MD 21791	4103861210	10	0.60
Type I LA	McInnis Cement Quebec, Canada	50, Road 132	Quebec Canada GOC 2N0	4383823331	116	0.60
Type II LA	McInnis Cement Quebec, Canada	50, Road 132	Quebec Canada GOC 2N0	4383823331	116	0.60
Type I	McInnis Cement Quebec, Canada	50, Road 132	Quebec Canada GOC 2N0	4383823331	116	0.80
Type II	McInnis Cement Quebec, Canada	50, Road 132	Quebec Canada GOC 2N0	4383823331	116	0.80
Type III	McInnis Cement Quebec, Canada	50, Road 132	Quebec Canada GOC 2N0	4383823331	116	0.85
Type I	Roanoke Cement Kamari, Greece		Kamari, Greece		62	0.59
Type II	Roanoke Cement Kamari, Greece		Kamari, Greece		62	0.59
Type I	Roanoke Cement Huaxin, China		Huaxin, China		97	0.60
Type II	Roanoke Cement Huaxin, China		Huaxin, China		97	0.60
Type I	Roanoke Cement Mylaki, Greece		Mylaki, Greece		117	0.59
Type II	Roanoke Cement Mylaki, Greece		Mylaki, Greece		117	0.59
Type I	Roanoke Cement Patras, Greece		Patras, Greece		93	0.59

Type II	Roanoke Cement Patras, Greece		Patras, Greece		93	0.59
Type I	Roanoke Cement Troutville, VA	6071 Catawba Rd	Troutville, VA 24175	5409921501	6	0.75
Type II	Roanoke Cement Troutville, VA	6071 Catawba Rd	Troutville, VA 24175	5409921501	6	0.75
Type III	Roanoke Cement Troutville, VA	6071 Catawba Rd	Troutville, VA 24175	5409921501	6	0.75
Blended Cement						
Type IL	Argos Calera, AL	8039 Alabama 25 West	Calera, AL 35040	8003310022	111	0.60
Type IL	Argos Cartagena, Colombia		Cartagena, Colombia		115	0.60
Type IL	Argos Harleyville, SC	463 Judge Street	Harleyville, SC 29448		20	0.60
Type IL	Argos Newberry, FL	4000 N.W. County Road 235	Newberry, FL 32669		108	0.60
Type IL	Argos Martinsburg, WV	1826 South Queen Street	Martinsburg, WV 25401		12	0.75
Type IL	Buzzi Unicem USA Signal Mtn	1201 Suck Creek Rd	Chattanooga, TN	4238860800	120	0.60
Type IL	Holcim Hagerstown, MD	1260 Security Rd	Hagerstown, MD 21742	240-452-4925	25	1.00
Type IL	Holcim Holly Hill, SC	2173 Gardnew Blvd	Holly Hill, SC	8034962902	16	0.60
Type IS (20)	Holcim Holly Hill, SC	2173 Gardnew Blvd	Holly Hill, SC	8034962902	16	0.60
Type IS (40)	Lehigh Heidelberg Cement Group Evansville, PA	537 Evansville Rd	Evansville, PA 19522	6109261024	83	0.60
Type IS (50)	Lehigh Heidelberg Cement Group Evansville, PA	537 Evansville Rd	Evansville, PA 19522	6109261024	83	0.60
Type IL	Lehigh Heidelberg Cement Group Union Bridge, MD	675 Quaker Hill Rd	Union Bridge, MD	4103861210	10	0.60
Type IL	Roanoke Cement Kamari, Greece		Kamari, Greece		62	0.60
Type IL	Roanoke Cement Patras, Greece		Patras, Greece		93	0.60
Type IL	Roanoke Cement Troutville, VA	6071 Catawba Rd	Troutville, VA	5409921501	6	0.60
Type IL	Roanoke Cement Adocim, Turkey		Adocim, Turkey		121	0.59

(86) MANUFACTURED TREATMENT DEVICES - Location & Design

To be included on List 86, the Manufacturer shall follow the requirements of the Manufactured Treatment Devices

https://www.virginiadot.org/business/locdes/ms4sm_technical_resources.asp, Special Provisions

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Location & Design Division "Storm Water Management".

**Some or all materials on this list are believed by VDOT to fall under "Buy America" requirements or "BABA Requirements" (see the statement on the Approved Lists cover page). It is the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects.

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Product	Manufacturer	Street Address	Location	Phone No.	Models
Hydrodynamic Devices					
Storm Water Quality Unit	Advanced Drainage Systems, Inc.	70 Inwood Road, Suite 3	Rocky Hill, CT	8888922694	3620WQA, 3640WQA, 3620WQB, 3640WQB, 4220WQA, 4240WQA, 4220WQB, 4240WQB, 4820WQA, 4840WQA, 4820WQB, 4840WQB, 6020WQA, 6040WQA, 6020WQB, and 6040WQB
Aqua-Swirl® Stormwater Treatment System	AquaShield™, Inc.	2733 Kanasita Drive, Suite 111	Chattanooga, TN	9082845041	AS-2, AS-3, AS-4, AS-5, AS-6, AS-7, AS-8, AS-9, AS-10, AS-11, AS-12, AS-13, and AS-XX (custom)
BaySeparator™	ADS/BaySaver Technologies	1030 Deer Hollow Drive	Mt. Airy, Maryland	5405266045	½K, 1K, 3K, 5K, 10K, and XK (custom)
BaySaver Barracuda	ADS/BaySaver Technologies	1030 Deer Hollow Drive	Mt. Airy, Maryland	5405266045	S3, S4, S5, S6, S8, and S10
SciClone™	Bio Clean Environmental Services, A Forterra Company	398 Via El Centro	Oceanside, California	8044662099	SC-4, SC-5, SC-6, SC-7, SC-8, SC-9, SC-10, SC-11, SC-12, and custom
Continuous Deflective Separator® (CDS)	Contech® Engineered Solutions LLC	7037 Ridge Road, Suite 350	Hanover, MD	4107408490	CDS2015-4, CDS2015-5, CDS2020-5, CDS2025-5, CDS3020-6, CDS3025-6, CDS3030-6, CDS3035-6, CDS3535-7, CDS4030-8, CDS4040-8, CDS4045-8, CDS5640-10, CDS5653-10, CDS7070-DV, CDS10060-DV, CDS10080-DV, and CVS100100-DV
The Vortechs® System	Contech® Engineered Solutions LLC	7037 Ridge Road, Suite 350	Hanover, MD	4107408490	1000, 2000, 3000, 4000, 5000, 7000, 9000, 11000, and 16000
CrystalClean Separator – Single Vault	CrystalStream Technologies	2090 Sugarloaf Parkway, Suite 245	Lawrenceville, Georgia	8007486945	646, 846, 856, 866, 956, 1056, and 1266
StormPro	Environment 21, LLC	8713 Read Road	East Pembroke, NY	5858154714	24, 36, 48, 510, 612, 714, 816, 918, 1020, 1224, and 2040
V2B1	Environment 21, LLC	8713 Read Road	East Pembroke, NY	5858154714	2 to 40

Downstream Defender®	Hydro International	94 Hutchins Drive	Portland, Maine	8046146638	DD4, DD6, DD8, DD10, and DD12
First Defense®	Hydro International	94 Hutchins Drive	Portland, Maine	8046146638	3, 4, 6, 8 feet diameter
Hydroguard	Hydroworks, LLC	136 Central Avenue, 2nd Floor	Clark, New Jersey	888297900	HG 4, HG 4i, HG 5, HG 6, HG 7, HG 8, HG 9, HG 10, and HG 12
Dual Vortex Separator (DVS)	Oldcastle Precast, Inc.	5115 Massaponax Church Road	Fredericksburg, VA	8005798819	DVS-36C, DVS-36S, DVS-48C, DVS-48S, DVS-60C, DVS-60S, DVS-72C, DVS-72S, DVS-84C, DVS-84S, DVS-96C, DVS-96S, DVS-120C, DVS-120S, DVS-144C, and DVS-144S
Stormceptor® OSR	Rinker Materials - Stormceptor OSR	1751 Monocacy Boulevard	Frederick, Maryland	301697373	OSR 065, OSR 140, OSR 250, OSR 390, OSR 560, OSR 780, and OSR 1125
Stormceptor® STC	Rinker Materials - Stormceptor OSR	1751 Monocacy Boulevard	Frederick, Maryland	301697373	STC 450i, STC 900, STC 1200, STC 1200, STC 1800, STC 2400, STC 3600, STC 4800, STC 6000, STC 7200, STC 11000, STC 13000 and STC 16000
Filter Devices					
Aqua-Filter™ Stormwater Filtration System	AquaShield™, Inc.	2733 Kanasita Drive, Suite 111	Chattanooga, TN	9082845041	AF-2.1, AF-3.2, AF-4.3, AF-5.4, AF-6.6, AF-7.8, AF-8.10, AF-9.12, AF-10.15, AF-11.18, AF-12.11 Twin, AF-13.13 Twin, and AF-X.X (custom)
BayFilter™ Stormwater Cartridge System	ADS/BaySaver Technologies	1030 Deer Hollow Drive	Mt. Airy, Maryland	5405266045	522, 530, 545
StormTech® Isolator Row™	ADS/StormTech	70 Inwood Road, Suite 3	Rocky Hill, CT	8888922694	SC-310, RC310, SC-740, RC-750, DC-780, DC-780, MC-3500, and MC-4500
Modular Wetland® System Linear	Bio Clean Environmental Services, A Forterra Company	398 Via El Centro	Oceanside, California	8044662099	MWS-L-4-4, MWS-L-4-6, MWS-L-4-8, MWS-L-4-13, MWS-L-4-15, MWS-L-4-17, MWS-L-4-19, MWS-L-4-21, MWS-L-6-8, MWS-L-8-8, MWS-L-8-12, MWS-L-8-16, MWS-L-8-20, MWS-L-8-24, and custom
StormTank Module Debris Row	Brentwood Industries	500 Spring Ridge Drive	Reading, PA	6103745109	Modular Underground Storage with Built-in Treatment
Filtrerra Bioretention Systems	Contech® Engineered Solutions LLC	7037 Ridge Road, Suite 350	Hanover, MD	4107408490	4x6/6x4, 4x8/8x4, 6x6, 6x8/8x6, 6x10/10x6, 6x12/12x6, 7x13/13x7, and custom
Jellyfish® Filter	Contech® Engineered Solutions LLC	7037 Ridge Road, Suite 350	Hanover, MD	4107408490	JF4, JF6, JF8M JF10, JF12, and custom

The Stormwater Management StormFilter® with Phosphosorb media	Contech® Engineered Solutions LLC	7037 Ridge Road, Suite 350	Hanover, MD	4107408490	SFCBx, SFMHxx, SFxxxx, SFLGxxxx, SFCIxxxx, SFPDxxxx, and custom design (x, xx, and xxxx vary by size and configuration)
The Stormwater Management StormFilter® with ZPG media	Contech® Engineered Solutions LLC	7037 Ridge Road, Suite 350	Hanover, MD	4107408490	SFCBx, SFMHxx, SFxxxx, SFLGxxxx, SFCIxxxx, SFPDxxxx, and custom design (x, xx, and xxxx vary by size and configuration)
FocalPoint HighPerformance ModularBiofiltration System (HPMBS)	Convergent Water Technologies/ACF Environmental	13810 Hollister Road #100	Houston, Texas	8007115428	Modular with custom design as indicated on approved plans
Up-Flo Filter® with CPZ media	Hydro International	94 Hutchins Drive	Portland, Maine	8046146638	UFF 4-foot Diameter MH (1-6 filter modules), UFF Precast Vault (1-54 filter modules), and custom design
Perk Filter	Oldcastle Precast, Inc.	5115 Massaponax Church Road	Fredericksburg, VA	8005798819	4' x 8', 6' x 8', 6' x 10', 6' x 12', 6' x 14', 8' x 8', 8' x 14', 8' x 16', and Box Culvert and other custom sizes

(87) POWDER COATING MANUFACTURERS - Chemistry Lab

To be included on List 87, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Chemistry lab) and meet Road and Bridge Sec. 231.02(b)

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone
Super Durable TGIC-OGF Polyester Thermoset Powder	Nortek Powder Coating, LLC	5900 Success Dr. 13440	Rome, NY	888.667.8357
Super Durable TGIC-OGF Polyester Thermoset Powder	Protech Inc.	909 Monocact Rd. 17404	York, PA	713.939.4000
Super Durable TGIC-OGF Polyester Thermoset Powder	Tiger Dryac USA Inc.	1100 Commons Blvd. 19605	Reading, PA	610.926.8148
Super Durable TGIC-OGF Polyester Thermoset Powder	Polytech Coating Labs	951 Morgantown Rd. 19607	Reading, PA	610.375.1417
Super Durable TGIC-OGF Polyester Thermoset Powder	TCI Powder Coatings	734 Dixon Dr. 31806	Ellaville, GA	800.533.9067

(88) POWDER COATING FACILITIES OF GALVANIZED SURFACES - Chemistry Lab

To be included on List 88, the Manufacturer shall follow the requirements of the Manual of Instructions to be published in the near future (contact Chemistry lab) and meet Road and Bridge Sec. 231 & 233.

<https://www.virginiadot.org/business/materials-download-docs.asp>

For additions or deletions to the list, contact the Materials Division "Chemistry Lab".

**** Materials on this list are not believed by VDOT to fall under "Buy America" requirements or "BABA requirements" (see statement on the Approved List cover page); however, it is still the Contractor's responsibility to verify this and comply as necessary on VDOT federal aid projects**

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Product	Manufacturer	Street Address	Location	Phone
Super Durable TGIC-OGF Polyester Thermoset Powder	ASAP Powder Coating, Inc.	9724 Williamsport Pike 25419-3538	Falling Waters, WV	304.274.3200
Super Durable TGIC-OGF Polyester Thermoset Powder	ASCO American Stripping Co.	9025 Vassau Ct. 20111	Manassas Park, VA	703.368.6573
Super Durable TGIC-OGF Polyester Thermoset Powder	Frederick County Customs	441 Marple Rd. 22603	Winchester, VA	540.323.7518
Super Durable TGIC-OGF Polyester Thermoset Powder	Thomarios Powder Coatings	1122 Jacoby Rd. 44321	Copley, OH	330.670.6400
Super Durable TGIC-OGF Polyester Thermoset Powder	Fortress Fusion Coatings, Inc.	P.O. Box 37 13417	New York Mills, NY	315.736.8311
Super Durable TGIC-OGF Polyester Thermoset Powder	Impreglon Inc.	2915 Wilmarco Ave. 21223	Baltimore, MD	410.644.4500
Super Durable TGIC-OGF Polyester Thermoset Powder	Lane Enterprises	1244 Claremont Rd. 17013	Carlisle, PA	717.249.8342