Virginia Department of Transportation
Materials Division
New Products Evaluation List
(NPEL)
Revised – June 1, 2020

This list is for innovative products for which VDOT does not have an existing specification in its Road & Bridge Specifications or existing statewide Special Provision, and therefore no Approved List. To be listed here, a New Product Application must be submitted to the VDOT Materials Division Quality Assurance Manager. The product will be reviewed by VDOT for acceptance or rejection. If accepted, it will be accepted with notification required until adequate trials over a period of time justify its use without having to notify the VDOT contact person listed for the product. A product is removed from this list if it is used frequently enough to warrant a specification and approved list, if it did not work well in the trial installations, or if it did not get used over a period of time.

Iron and steel products must also list all manufacturing locations, whether domestic or foreign, so that users can tell if the product meets Buy America requirements or not.

Materials Division Quality Assurance Manager – Laura Hisey, laura.hisey@vdot.virginia.gov, 804.328.3165


All VDOT contact email addresses in the tables below have the common @vdot.virginia.gov ending.
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# CONCRETE PRODUCTS

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<th>Product Use and Description</th>
<th>Product Contact Information</th>
<th>VDOT Contact to Notify for Trial Use</th>
</tr>
</thead>
</table>
| 2013-29 | Concrete Cloth                | Concrete impregnated cloth product for patching drainage ditches, concrete-paved slopes, and for non-structural pipe invert patching. | Scott Naiva  
GeoTree Solutions  
610.971.0362  
snaiva@cs-nri.com  
1733 Majestic Drive, Suite 101, Lafayette, CO 80026  
geotreesolutions.com | Wansoo Kim – 804.328.3140 – wansoo.kim@                                             |
| 2018-02 | PCC-1121 Polyester Polymer Concrete | As an alternative for concrete overlay products                                                | Kwik Bond Polymers  
923 Teal Drive  
Benicia, CA 94510  
866.434.1772 | Angela Beyke - 804.328.3130 – angela.beyke@                                           |
| 2020-21 | Komponent                     | Special care needs to be used when adding to ready mix truck to ensure Komponent get completely mixed into the concrete. | CTS Cement Manufacturing Corp  
12442 Knott St., Garden Grove, CA 92841  
714-793-1040  
https://www.ctscement.com/ | Michael Sprinkel – 434-906-7220 – Michael.sprinkel@  
AND  
Angela Beyke - 804.328.3130 – angela.beyke@                                             |
## PATCH MATERIALS INCLUDING ECC, UHPC, AND VHPC PRODUCTS

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<thead>
<tr>
<th>VDOT #</th>
<th>Product Name</th>
<th>Product Use and Description</th>
<th>Product Contact Information</th>
<th>VDOT Contact to Notify for Trial Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002-21</td>
<td>DOT-Pothole Filler</td>
<td>Pothole repair product. May be used on roadways with an ADT &lt;= 13,000 VPD with &lt; 6% trucks meeting FHWA Class 5 or greater.</td>
<td>NewLife Products and Equipment Co. 4821 Grisham Drive Rowlett, TX 75088 <a href="http://www.dotpotholefiller.com">www.dotpotholefiller.com</a></td>
<td>Sungho Kim – 804.328.3137 – sungho.kim@</td>
</tr>
<tr>
<td>2008-17</td>
<td>Subac</td>
<td>Underwater cement</td>
<td>Subac Underwater Cement, Inc. 1265 Saratoga St Boston, Massachusetts 02128 866.277.8222 <a href="http://www.subac.com">http://www.subac.com</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2009-21</td>
<td>E-crete #57</td>
<td>Elastomeric Concrete Patching Materials.</td>
<td>Chase Corporation 295 University Avenue Westwood, MA 02090 Dave Fricke <a href="mailto:dfricke@chasecorp.com">dfricke@chasecorp.com</a> 781.332.7000 <a href="https://chasecorp.com/">https://chasecorp.com/</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2012-43</td>
<td>Infrared Pothole Repair</td>
<td>Infrared pothole repair process for use on NoVA District Schedule work.</td>
<td>Dr. Pothole / Asphalt Infrared Repair Sys 7300 Lockport Pl Lorton, VA 22079 800.298.5587 Drpothole.com</td>
<td>David Shiells – 703.259.1998 – david.shiells@</td>
</tr>
<tr>
<td>2015-02</td>
<td>Fibrecrete EG</td>
<td>A hot-applied polymer-modified resin based flexible concrete repair are suitable flexible</td>
<td>Fibrecrete Preservation Technologies, Inc 401 Old US 52 South</td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@ AND</td>
</tr>
<tr>
<td>Year</td>
<td>Product Name</td>
<td>Description</td>
<td>Contact Information</td>
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</table>
| 2018-03| Elephant Armor DOT Industrial Grade Mortar (For ECC applications) | This is an engineered cementitious composite (ECC) bag mix repair. It must contain polyvinyl alcohol fibers conforming to ASTM C 1116 - 8 denier or less in diameter and 8-mm long) It shall be used to fill shear keys, invert repairs for metal culverts, and other locations requiring (ECC) as shown on the plans. | Blob 5: Elephant Armor DOT  
Mount Airy, NC 27030 USA  
t: 1-336-789-7259  
www.fibrecretept.com  
Bart Pharr  
BPharr@fibrecretept.com  
Todd Springer - 804.786.7537 – todd.springer@ before use with flexible concrete plug joints for bridges |
| 2018-04| Buddy Rhodes ECC Blended Mix          | This is an engineered cementitious composite (ECC) bag mix repair. It must be mixed with polyvinyl alcohol (1.8% minimum by volume) fibers conforming to ASTM C1116 - 8 denier or less in diameter and 8-mm long) and contain high range water reducing admixtures. It shall be used to fill shear keys, invert repairs for metal culverts, and other locations requiring an ECC as shown on the plans. | Blob 5: Buddy Rhodes ECC Blended Mix  
Buddy Rhodes Concrete Products  
5600 Lower Macungie Road  
Macungie, PA 18062  
877.706.5303  
https://www.buddyrhodes.com/  
Celik Ozyildirim - 434.293.1977  
– celik@  
AND  
Jeff Milton – 434.856.8278 – jeffrey.milton@  
and  
Angela Beyke - 804.328.3130 – angela.beyke@ |
| 2019-04| HP Concrete Cold Patch                | A patching material used for concrete and asphalt pavement, potholes, spalls, cracks with gray color. It has thermoplastic binder not asphalt based.                                                                                                                                                                                                | Blob 5: HP Concrete Cold Patch  
Crafco, Inc.  
6165 W. Detroit St.  
Chandler, AZ 85226  
Main: Store #:800-732-5268  
www.crafco.com  
Emory Banner  
Emory.Banner@crafco.com  
Angela Beyke - 804.328.3130 – angela.beyke@ for concrete use  
AND  
Sungho Kim – 804.328.3137 – sungho.kim@ for asphalt use |
| 2019-16| ECC Grout VDOT                        | This is engineered cementitious composite (ECC) bag mix repair. It must be mixed with polyvinyl alcohol fibers (1.8% minimum by volume – conforming to ASTM C1116 – 8 denier or less in diameter and 8-mm long). It shall be used to fill shear keys, invert repairs for metal culverts, and other locations requiring an ECC as shown on the plans. | Blob 5: ECC Grout VDOT  
Euclid Chemical  
19215 Redwood Road  
Cleveland, OH 44110  
https://www.euclidchemical.com/  
Celik Ozyildirim - 434.293.1977  
– celik@  
AND  
Jeff Milton – 434.856.8278 – jeffrey.milton@  
and  
Angela Beyke - 804.328.3130 – angela.beyke@ |
| 2019-17| Keyway Grout VDOT                     | This is very high performance concrete (VHPC) bag mix material. It shall be mixed                                                                                                                                                                                                                                                         | Blob 5: Keyway Grout VDOT  
Euclid Chemical  
19215 Redwood Road  
Celik Ozyildirim - 434.293.1977  
– celik@  
and  
Angela Beyke - 804.328.3130 – angela.beyke@ |
<table>
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<tr>
<th>Year</th>
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</tr>
</thead>
</table>
| 2019-18 | VHPC   | This is very high performance concrete (VHPC) preblended material including 2% of 1-in to 1-1/4-in length hooked end steel fibers conforming to ASTM C1116. It shall be used for filling Virginia Adjacent Member Connections and other locations requiring a VHPC as shown on the plans. | Cleveland, OH 44110  
https://www.euclidchemical.com/  
AND  
Jeff Milton – 434.856.8278 – jeffrey.milton@  
Angela Beyke - 804.328.3130 – angela.beyke@ |
| 2020-22 | Cor-Tuf | This is ultra-high performance concrete (UHPC) material. It shall contain 2% steel fibers conforming ASTM C1116 meeting workability, strength, and ductility requirements of the project. It shall be used in locations shown on the plans. | Rockingham RediMix  
3330 Kratzer Road  
Harrisonburg, VA 22803  
540.433.8282  
https://www.rockinghamprecast.com/  
AND  
Celik Ozyildirim - 434.293.1977 – celik@  
Jeff Milton – 434.856.8278 – jeffrey.milton@  
Angela Beyke - 804.328.3130 – angela.beyke@ |
| 2020-23 | Ductal | This is ultra-high performance concrete (UHPC) material. It shall contain 2% steel fibers conforming ASTM C1116 meeting workability, strength, and ductility requirements of the project. It shall be used in locations shown on the plans. | Cor-Tuf  
11128 Industrial Road  
Manassas, VA 20109  
Doug Darling  
703.656.1445  
https://cor-tuf.com/  
AND  
Celik Ozyildirim - 434.293.1977 – celik@  
Jeff Milton – 434.856.8278 – jeffrey.milton@  
Angela Beyke - 804.328.3130 – angela.beyke@ |
| 2020-24 | Steelike | This is ultra-high performance concrete (UHPC) material. It shall contain 2% steel fibers conforming ASTM C1116 meeting workability, strength, and ductility of the project. It shall be used in locations shown on the plans. | Lafarge North America  
2150 E. 130th St.  
Chicago, IL60633  
773.646.5228  
https://www.lafargeholcim.us/  
AND  
Celik Ozyildirim - 434.293.1977 – celik@  
Jeff Milton – 434.856.8278 – jeffrey.milton@  
Angela Beyke - 804.328.3130 – angela.beyke@ |
|        |        |                                                                                                                                                                                                          | Steelike  
7631 Fullerton Road #7G  
Springfield, VA 22153  
William Kulish  
609.703.2020  
https://steelike.com/  
AND  
Celik Ozyildirim - 434.293.1977 – celik@  
Jeff Milton – 434.856.8278 – jeffrey.milton@  
Angela Beyke - 804.328.3130 – angela.beyke@ |
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</thead>
</table>
| 2007-49| Rosphalt 50      | Dry mix asphalt additive, typically applied to bridge deck overlays, tunnels, etc.            | Chase Construction Products B. Peterson  
201 Zeta Dr.  
Pittsburgh, PA 15238  
412-406-5564  
bpeterson@chasecorp.com | Sungho Kim – 804.328.3137 – sungho.kim@                                                   |
| 2011-35| Fibermat         | A fiber reinforced bituminous membrane when used as a surface treatment performs as an enhanced crack-resistant high performance resurfacing treatment. When used as an interlayer, it can be topped with a wide variety of surfacing treatments. CONTACT ANGELA BEYKE (804-328-3130) BEFORE USE. | Branscome Solution  
Jack Kowalski  
432 McLaws Circle  
Williamsburg, VA 23185  
757-320-1415  
kowalskij@branscome.com | Sungho Kim – 804.328.3137 – sungho.kim@  
Affan Habib – 804-328-3129  
Affan.habib@                                                   |
| 2018-00| Ace Fiber        | Asphalt mixture additive to mitigate cracking, rutting, and raveling.                       | Surface Tech, LLC  
Matthew Stauch  
2831 Cardwell Rd, North Chesterfield, VA 23234 | Sungho Kim – 804.328.3137 – sungho.kim@                                                   |
| 2018-06| Forta-Fi         | Asphalt Mixture Fiber additive to mitigate cracking, rutting, and raveling.                 | Forta Corporation  
Scott Nazar  
100 Forta Drive  
Grove City, PA 16127  
724-877-7250  
snazar@fortacorp.com | Sungho Kim – 804.328.3137 – sungho.kim@                                                   |
| 2019-61| Recycled Toner Pellet | Recycled toner pellet additive for asphalt mix to increase rut resistance by replacing some virgin binder. It may decrease crack resistance. | Canon Virginia, Inc.  
David Herring  
12000 Canon Blvd.  
Newport News, VA  
757-881-6214  
dherring@cvi.canon.com | Sungho Kim – 804.328.3137 – sungho.kim@                                                   |
| 2020-03| Liquid Road      | Finer Slurry with a polymer and fiber modified emulsion for minor (subdivision) routes, packaged into manufacturer application tanker at manufacturer facility. | SealMaster  
Evan Sieler  
703 W Decatur St  
Madison, NC 27025  
336-209-8852  
evan@sealmasternc.com | Sungho Kim – 804.328.3137 – sungho.kim@                                                   |
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<th>VDOT #</th>
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<th>Product Use and Description</th>
<th>Product Contact Information</th>
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</tr>
</thead>
</table>
| 1991-06 | Jeene Structural Joint Sealing System | Structural sealing joint system                                   | Watson Bowman Acme Corp.  
95 Pineview Drive  
Buffalo, NY 14228  
800.667.4922  
www.wbacorp.com | Angela Beyke - 804.328.3130 – angela.beyke@                        |
| 1992-21 | X.J.S. Expansion Joints            | Silicone sealant bridge expansion joint system                   | Silicone Specialties, Inc.  
430 S. Rockford  
Tulsa, OK 74120  
918.587.5567  
http://www.ssicm.com/ | Angela Beyke - 804.328.3130 – angela.beyke@                        |
| 1996-01 | Silicoflex                          | Expansion joint sealant                                          | R. J. Watson, Inc.  
11035 Walden Ave, Alden,  
NY 14004  
716.901.7020  
https://www.rjwatson.com/ | Angela Beyke - 804.328.3130 – angela.beyke@                        |
| 2000-14 | Tron-Flex (formerly ISO FLES 900)   | Expansion joint material for use where traffic is 1,500 VPD with no more than 5% trucks | Lymtal International  
4150 S Lapeer Rd,  
Lake Orion, MI 48359  
248.373.811  
http://www.lymtal.com/ | Angela Beyke - 804.328.3130 – angela.beyke@                        |
| 2009-20 | CEVA 250 System                     | Bridge expansion joint system                                    | Chase Corporation  
295 University Avenue  
Westwood, MA 02090  
https://chasecorp.com/  
Office: 1.781.332.0700  
dfricke@chasecorp.com | Angela Beyke - 804.328.3130 – angela.beyke@                        |
| 2009-22 | CEVA 100 System                     | Bridge expansion joint system                                    | Chase Corporation  
295 University Avenue  
Westwood, MA 02090  
https://chasecorp.com/  
Office: 1.781.332.0700  
dfricke@chasecorp.com | Angela Beyke - 804.328.3130 – angela.beyke@                        |
| 2009-31 | Tripstop                            | Expansion joint product for sidewalks                           | Access Products, Inc.  
241 Main St., | Angela Beyke - 804.328.3130 – angela.beyke@                        |
<table>
<thead>
<tr>
<th>Year</th>
<th>Product Name</th>
<th>Description</th>
<th>Company Details</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-19</td>
<td>WABO Evazote UV Expansion Joint System</td>
<td>A preformed low density closed cell cross-linked ethylene vinyl acetate polyethylene copolymer nitrogen blown joint seal that is bonded in place with a 2 component epoxy.</td>
<td>Watson Bowman ACME/BASF 95 Pineview Dr, Buffalo, NY 14228 800.677.4922 <a href="https://www.wbacorp.com/">https://www.wbacorp.com/</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2013-11</td>
<td>WABO SPS Joint System</td>
<td>Preformed silicone joint</td>
<td>Watson Bowman ACME/BASF 95 Pineview Dr, Buffalo, NY 14228 800.677.4922 <a href="https://www.wbacorp.com/">https://www.wbacorp.com/</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2014-30</td>
<td>Prime Flex 910</td>
<td>Single component polyurethane, with a low viscosity. Water-activated to form a watertight mass</td>
<td>Prime Resins 2291 Plunkett Road Conyers, GA 30012 USA t: 1.800.321.7212 <a href="https://www.primeresins.com/">https://www.primeresins.com/</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2014-31</td>
<td>Prime Flex 920</td>
<td>Low viscosity, highly expansive, water activated polyurethane that forms a watertight, rigid foam.</td>
<td>Prime Resins 2291 Plunkett Road Conyers, GA 30012 USA t: 1-800-321-7212 <a href="https://www.primeresins.com/">https://www.primeresins.com/</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2014-32</td>
<td>Prime Flex 985 LX10</td>
<td>Two-component, polyurethane expansive foam that can be used to fill voids, stabilize soil, underseal concrete slabs.</td>
<td>Prime Resins 2291 Plunkett Road Conyers, GA 30012 USA t: 1-800-321-7212 <a href="https://www.primeresins.com/">https://www.primeresins.com/</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2014-33</td>
<td>Precision Lift</td>
<td></td>
<td>Prime Resins 2291 Plunkett Road Conyers, GA 30012 USA</td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>Year</td>
<td>Company</td>
<td>Description</td>
<td>Contact Person</td>
<td>Phone Numbers</td>
</tr>
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</tr>
<tr>
<td>2015-26</td>
<td>Nomaflex</td>
<td>Polypropylene foam preformed expansion joint filler.</td>
<td>Angela Beyke</td>
<td>804.328.3130 – angela.beyke@</td>
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<tr>
<td>2016-18</td>
<td>EP-PJ</td>
<td></td>
<td>Kevin O’Neill</td>
<td>804.609.5259 – kevin.oneill@</td>
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<tr>
<td>2018-01</td>
<td>WABO FS Bridge Seal</td>
<td>Pre-compressed, silicone coated, self-expanding foam</td>
<td>Angela Beyke</td>
<td>804.328.3130 – angela.beyke@</td>
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<tr>
<td>2019-13</td>
<td>J-Band</td>
<td>Void reducing asphalt membrane which is a polymer modified asphalt material designed to fill the asphalt voids at the asphalt pavement longitudinal joint.</td>
<td>Sungho Kim</td>
<td>804.328.3137 – sungho.kim@</td>
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<tr>
<td>2019-21</td>
<td>Emcrete II / Emseal</td>
<td>Material to work in conjunction with approved Class III BEJS</td>
<td>Jeff Milton</td>
<td>434.856.8278 – jeffrey.milton@</td>
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<tr>
<td>SPEL-10</td>
<td>Emseal Bridge Expansion Joint System</td>
<td>100% acrylic, preformed, pre-compressed, factory cured and silicone-coated impregnated cellular foam for bridge expansion joints.</td>
<td>Angela Beyke</td>
<td>804.328.3130 – angela.beyke@</td>
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<tr>
<td>SPEL-11</td>
<td>Weathermaster Ultimate MP Sealant</td>
<td>Adheres well to damp surfaces and provides a weather-tight seal against water, wind, dust and dirt.</td>
<td>Angela Beyke</td>
<td>804.328.3130 – angela.beyke@</td>
</tr>
<tr>
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<tr>
<td>2009-02</td>
<td>Ultracure DOT</td>
<td>Concrete curing blanket that does not require re-wetting.</td>
<td>McTech Group, Inc. P.O. Box 626 Hertford, NC 27944 866.913.8363 <a href="http://www.mctechgroup.com">www.mctechgroup.com</a></td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2010-21</td>
<td>Voltex DS</td>
<td>Waterproofing membrane installed on the exterior of below-grade structures.</td>
<td>Stacy Byrd CETCO 800.527.9948 <a href="mailto:tech.services@mineraltech.com">tech.services@mineraltech.com</a> 2870 Forbs Ave. Hoffman Estates, IL 60192 <a href="http://www.cetco.com">www.cetco.com</a></td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
</tr>
<tr>
<td>2018-08</td>
<td>Hydraflex Ultra HU40B LLDPE Geomembrane</td>
<td>Used to prevent bond between existing and new concrete structures.</td>
<td>Jim Carbone Raven Industry</td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
</tr>
</tbody>
</table>
Fortec Stabilization System  
800.207.6204  
solutions@fortecstabilization.com  
184 West 64th Street,  
Holland, MI 49423  
www.FortecStabilization.com | Wansoo Kim - 804.328.3140 – wansoo.kim@ |
| SPEL-06 | Swelltite Composite Bentonite Waterproofing System and A-3000 WB Adhesive | Waterproofing membrane installed on the exterior of below-grade structures. | Stacy Byrd  
CETCO  
800.527.9948  
technical.services@mineraltech.com  
2870 Forbs Ave. Hoffman Estates, IL 60192  
www.cetco.com | Wansoo Kim - 804.328.3140 – wansoo.kim@ |
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<tbody>
<tr>
<td>2001-07</td>
<td>Polyset</td>
<td>Polyurethane backfill material.</td>
<td>James Davenport&lt;br&gt;Utility Structural System&lt;br&gt;713.490.2242&lt;br&gt;&lt;a&gt;<a href="mailto:Info@poly-set.com">Info@poly-set.com</a>&lt;/a&gt;&lt;br&gt;8720 Tavenor Lane, Houston, TX 77075&lt;br&gt;&lt;a&gt;<a href="http://www.utilitystructural.com">http://www.utilitystructural.com</a>&lt;/a&gt;</td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
</tr>
<tr>
<td>2009-54</td>
<td>Ecoroads</td>
<td>A road stabilization technology that helps increase the strength, density and durability of roads and road bases.</td>
<td>Edward Rotstein&lt;br&gt;Terrafusion International, Inc.&lt;br&gt;800.820.9971&lt;br&gt;&lt;a&gt;<a href="mailto:contact@ecoroads.net">contact@ecoroads.net</a>&lt;/a&gt;&lt;br&gt;10 148th Ave NE, Office 201, Bellevue WA98007&lt;br&gt;&lt;a&gt;www.ecoroads.net&lt;/a&gt;</td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
</tr>
<tr>
<td>2016-05</td>
<td>AV-202 Multi Grout</td>
<td>Prepolymer solution that forms a strong flexible foam or softer gel material that can penetrate surrounding soil. For repair use in large cracks or joints in concrete, precast structures, manholes, and pipe penetration.</td>
<td>Frank Aguilar&lt;br&gt;Avanti International&lt;br&gt;281.486.5600&lt;br&gt;&lt;a&gt;<a href="mailto:Frank.aguilar@avantigrout.com">Frank.aguilar@avantigrout.com</a>&lt;/a&gt;&lt;br&gt;822 Bay Star Blvd., Webster, TX, 77598&lt;br&gt;&lt;a&gt;www.avantigrout.com&lt;/a&gt;</td>
<td>Wansoo Kim – 804.328.3140 – wansoo.kim@</td>
</tr>
<tr>
<td>SPEL-07</td>
<td>Uretek 486 Star Polymer</td>
<td>Polymer injection for soil and pavement stabilization.</td>
<td>Uretek USA, Inc.,&lt;br&gt;13900 Humble Road Tomball, TX 77375&lt;br&gt;&lt;a&gt;<a href="https://uretekusa.com/">https://uretekusa.com/</a>&lt;/a&gt;&lt;br&gt;800.240.7868</td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>SPEL-08</td>
<td>Mountain Grout Flexible</td>
<td>Polyurethane injection grout for use in soil void filling and concrete crack repair. Product use must also have environmental field testing done per the Spray-On Liner requirements of the VDOT Pipe Rehabilitation</td>
<td>John Ammons&lt;br&gt;Green Mountain International, LLC&lt;br&gt;828.456.9970</td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@ AND</td>
</tr>
</tbody>
</table>
| SPEL-09 | Mountain Grout U 4.0 | Special Provision, including draft environmental requirements as of 9/12/16. | John@MountainGrout.com  
235 Pigeon Street, Waynesville, NC 28786  
www.MountainGrout.com | Bridget Donaldson – 434.293.1922 – bridget.donaldson@ |
|---------|---------------------|------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|
|         |                     | Polyurethane injection grout for use in soil void filling and concrete crack repair. Product use must also have environmental field testing done per the Spray-On Liner requirements of the VDOT Pipe Rehabilitation Special Provision, including draft environmental requirements as of 9/12/16. | John Ammons  
Green Mountain International, LLC  
828.456.9970  
John@MountainGrout.com  
235 Pigeon Street, Waynesville, NC 28786  
www.MountainGrout.com | Wansoo Kim - 804.328.3140 – wansoo.kim@  
AND  
Bridget Donaldson – 434.293.1922 – bridget.donaldson@ |
## LIGHTWEIGHT AGGREGATE AND SYNTHETIC DRAINAGE MATERIAL

<table>
<thead>
<tr>
<th>VDOT #</th>
<th>Product Name</th>
<th>Product Use and Description</th>
<th>Product Contact Information</th>
<th>VDOT Contact to Notify for Trial Use</th>
</tr>
</thead>
</table>
| 2000-04 | Tendrain     | Synthetic drainage material. Alternative to open-graded drainage layer. | Michael Schneider  
Tenax Corporation  
410.670.8441  
michael@geosyntheticsolutions.com  
4800 East monument Street,  
Baltimore, MD 21205  
www.tenaxus.com | Wansoo Kim - 804.328.3140 – wansoo.kim@ |
| 2008-03 | Insulfoam GF | For use as a lightweight embankment material. | Chip Coughlan  
Insulfoam, LLC  
800-242-8879  
coughlan@insulfoam.com  
4500 South Frontage Rd. Lakeland,  
FL 33815  
www.insulfoam.com | Wansoo Kim - 804.328.3140 – wansoo.kim@ |
Aero Aggregates of North America LLC  
833.261.8499  
archie@aeroaggregates.com  
1500 Chester Pile, Eddystone, PA 19022  
www.aeroaggregates.com | Wansoo Kim - 804.328.3140 – wansoo.kim@ |
## EROSION CONTROL AND OTHER LANDSCAPE TREATMENT

<table>
<thead>
<tr>
<th>VDOT #</th>
<th>Product Name</th>
<th>Product Use and Description</th>
<th>Product Contact Information</th>
<th>VDOT Contact to Notify for Trial Use</th>
</tr>
</thead>
</table>
| 2010-13| Platipus Earth Anchoring Systems  | Platipus Anchors, in conjunction with a surface protection material, can be used to stabilize slopes instead of rock plating or reconstructing the failed section. | Frank Milchuck  
Platipus Anchors, Inc.  
919.662.0991  
info@platipus.us  
1902 Garner Station, Raleigh, NC 27603  
www.platipus.us | Wansoo Kim - 804.328.3140 – wansoo.kim@                                           |
| 2010-23| Geoweb                             | Cellular confinement system for slope protection, channel protection, load support and earth retention. | Cory Schneider  
Presto Geosystems  
920.738.1304  
Cory.schneider@prestogeo.com  
670 N Perkins St. Appleton, WI 54914  
www.prestogeo.com | Wansoo Kim - 804.328.3140 – wansoo.kim@                                           |
| 2010-30| Fortrac 3D                         | Turf reinforcement mat that can be used for protection of the surface layer and reinforcement on the slope (Veneer Stability). | Michael Morgan  
Husker, Inc  
704.588.5500  
mmorgan@huesker.com  
3701 Arco Corporate Dr #525, Charlotte, NC 28273  
www.huesker.com | Wansoo Kim - 804.328.3140 – wansoo.kim@                                           |
| 2012-02| 3M Scotch-Weld Holdfast 70         | Cylinder Adhesive for Geotextile Seaming.                                                      | Craig Moss  
3M Company  
651.736.2070  
cmmoss@mmm.com  
3M Center 220-04W-03 St. Paul, MN  
www.3m.com/3M/en_US/building-construction-us/ | Wansoo Kim - 804.328.3140 – wansoo.kim@                                           |
<table>
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<tr>
<th>Year</th>
<th>Product Name</th>
<th>Description</th>
<th>Company</th>
<th>Contact Person</th>
<th>Phone Number</th>
<th>Email Address</th>
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</thead>
<tbody>
<tr>
<td>2013-37</td>
<td>Typar Defencell</td>
<td>20-in high cellular soil confinement product available in rows of 1, 2, 3, or 4 cells for erosion control applications such as check dams or inlet protection.</td>
<td>Berry Global, Inc. 70 Old Hickory Blvd Old Hickory, TN 37138</td>
<td>Keith Misukanis <a href="mailto:keithmisukanis@berryglobal.com">keithmisukanis@berryglobal.com</a></td>
<td>615-847-7000</td>
<td><a href="mailto:wansoo.kim@berryglobal.com">wansoo.kim@berryglobal.com</a></td>
</tr>
<tr>
<td>2014-05</td>
<td>Flexamat</td>
<td>Consists of concrete blocks embedded into a high strength geogrid and used as an erosion control mat. This product may be used as an alternative to the EC-3 Type 1, 2, or 3.</td>
<td>Motz Enterprises, Inc. 3153 Madison Road Cincinnati, OH 45209</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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</tr>
<tr>
<td>2014-06</td>
<td>Siltsack</td>
<td>Drop inlet silt trap.</td>
<td>ACF Environmental 2831 Cardwell Road Richmond, VA 23234 (800) 223-9021</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
<td></td>
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<tr>
<td>2015-01</td>
<td>APS 700</td>
<td>Polyacrylamide Erosion Control Powder</td>
<td>Applied Polymer Systems 519 Industrial Drive Woodstock, GA 30189 678.494.5998</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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<tr>
<td>2015-21</td>
<td>Ecoraster E50 Permeable Paving System</td>
<td>Versatile permeable pavement and soil reinforcement system that manages storm water where it falls</td>
<td>Mike Coates Purus North America, Inc. 800.495.5517 <a href="mailto:mike@ecorastergrid.com">mike@ecorastergrid.com</a> P.O. Box 53, 801 Tremaine Ave S, Listowel, ON N4W 3H2, Canada <a href="http://www.ecorastergrid.com">www.ecorastergrid.com</a></td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
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<tr>
<td>2016-07</td>
<td>Hydroloc H30-PAM</td>
<td>Soil stabilizing agent which reduces soil erosion, run-off, and dust.</td>
<td>Carolina Hydrologic, LLC 153 North Sea Pines Dr Hilton Head Island, SC 29928 (843) 906-4614</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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<tr>
<td>2007-25</td>
<td>Silt Trap System</td>
<td>Storm water inlet filtration system</td>
<td>Erosion Control Products Inc. 4006 Van Dyke Court Monroe, NC 28110 704-821-4427</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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<tr>
<td>2016-17</td>
<td>Shoreflex</td>
<td>Consists of concrete embedded in a high strength geogrid backed by Landlok 450 and used as a rolled</td>
<td>Shoretec, LLC 38200 LA HWY 16 Denham Springs, LA 70706</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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<tr>
<td>Year</td>
<td>Company</td>
<td>Product Description</td>
<td>Contact Information</td>
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<td>2017-01</td>
<td>Aquasorb</td>
<td>Super-absorbent anionic polyacrylamide (PAM) polymer. Enhances plant growth by increasing the water-holding capacity of the soil.</td>
<td>SNF Holding Company 1 Chemical Plant Road Riceboro, GA 31323 (912) 884-3366 <a href="http://www.snf.us">www.snf.us</a></td>
<td>Scott Crafton – 804.786.0735 – scott.crafton@</td>
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<tr>
<td>2017-05</td>
<td>Proganics Biotic Soil Media</td>
<td>Biotic Soil Media.</td>
<td>Profile Products LLC 750 Lake Cook Rd, Ste 440 Buffalo Grove, IL 60089 800-508-8681</td>
<td>Scott Crafton – 804.786.0735 – scott.crafton@</td>
<td></td>
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<tr>
<td>2018-07</td>
<td>Typar Geocell</td>
<td>4-in, 6-in, or 8-in high cellular soil confinement product available in sheets for use as slope protection against erosion.</td>
<td>Keith Misukanis Berry Global, Inc. 615-847-7000 <a href="mailto:keithmisukanis@berryglobal.com">keithmisukanis@berryglobal.com</a> 70 Old Hickory Blvd. Okd Hickory, TN 37138 <a href="http://www.berryglobal.com">www.berryglobal.com</a></td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
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<tr>
<td>2019-01</td>
<td>Silt Saver Pipe Stopper B-DOT</td>
<td>Use for Pollution Prevention/Good Housekeeping on construction projects and maintenance activities. Not accepted as a substitute for EC-6 inlet protection at this time.</td>
<td>Silt Saver, Inc. 1200 Forrester Cemetery Rd Covington, GA 30014 (770) 388-7818</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
<td></td>
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<tr>
<td>SPEL-05</td>
<td>Quikrete</td>
<td>Pre-packaged rip rap bags.</td>
<td>Quikrete Co. of VA 3712 Cook Blvd Chesapeake, VA 2323 757.487.3413 Quikrete.com</td>
<td>Angela Beyke – 804-328-3130 angela.beyke@</td>
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<tr>
<td>SPEL-04</td>
<td>EZ-Catch</td>
<td>Below grate inlet protection with adjustable frame.</td>
<td>Flo-Water, LLC 308 33rd St. West Des Moines, IA 50265 515-577-6763</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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<tr>
<td>2020-50</td>
<td>EarthGuard Fiber Matrix</td>
<td>HECP with tackifier and anionic polyacrylamide (PAM) used as mulch. Product is on APL No. 79 for use as HECP Type 3 &amp; 4, but this SPEL is for use with PAM at a lower application rate to evaluate the effectiveness on a project specific basis.</td>
<td>LSC Environmental 2183 Pennsylvania Ave. Apalachin, NY 13732 800-800-7671</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
<td></td>
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<tr>
<td>2020-04</td>
<td>ShearForce10</td>
<td>Consists of a Hybrid Vegetative Armoring System used as a permanent rolled erosion control product. Uses of the product other than EC-3 must be approved for trial.</td>
<td>GrassWork, LLC 2381 Centerline Industrial Dr St. Louis, Missouri 63146</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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<tr>
<td>VDOT #</td>
<td>Product Name</td>
<td>Product Use and Description</td>
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<tr>
<td>2012-19</td>
<td>Thirsty Duck and Early Riser</td>
<td>A buoyant flow control device for use in storm water detention ponds.</td>
<td>Mr. Gerry Sackett&lt;br&gt;Gerry Rig&lt;br&gt;2288 Rose Hill Church&lt;br&gt;Charlottesville, VA 22902&lt;br&gt;434.987.6674 cell&lt;br&gt;<a href="mailto:gerryrigs@gmail.com">gerryrigs@gmail.com</a>&lt;br&gt;www.gerryrigsllc.com</td>
<td>Victoria Bains – 804.225.3831 – victoria.bains@ and/or&lt;br&gt;Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
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<tr>
<td>2013-23</td>
<td>SR-HDPE (Steel Reinforced HDPE) Pipe</td>
<td>Steel rib (rib only) reinforced HDPE pipe. Follows AASHTO MP-20 material spec, and design follows AASHTO LRFD Bridge Design Spec. Installation for direct burial and relining up to 60” diameter. Larger diameters for either application may be permitted.</td>
<td>Greg Nester&lt;br&gt;Contech Engineered Solutions&lt;br&gt;540.797.6499&lt;br&gt;<a href="mailto:Gnester@conteches.com">Gnester@conteches.com</a>&lt;br&gt;137 Charmwood Circle, Moneta, VA 24121&lt;br&gt;<a href="https://www.conteches.com/pipe/steel-reinforced-polyethylene-srpe-pipe/duromaxx-pipe">https://www.conteches.com/pipe/steel-reinforced-polyethylene-srpe-pipe/duromaxx-pipe</a></td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
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<tr>
<td>2013-42</td>
<td>Culvert Inlet Protection Device</td>
<td>Hinged grate and baffle device for installing on upstream end of culverts to prevent sedimentation of pipes.</td>
<td>Mr. Gerry Sackett&lt;br&gt;Gerry Rig&lt;br&gt;2288 Rose Hill Church&lt;br&gt;Charlottesville, VA 22902&lt;br&gt;434.987.6674 cell&lt;br&gt;<a href="mailto:gerryrigs@gmail.com">gerryrigs@gmail.com</a>&lt;br&gt;www.gerryrigsllc.com</td>
<td>Wansoo Kim - 804.328.3140 – wansoo.kim@</td>
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<tr>
<td>2015-28</td>
<td>Geostorage Underground Storm water Detention System</td>
<td>Provides underground storm water detention for use under parking lots, etc. Replaces pipes, pipe arches, concrete vaults, and plastic “milk crate” type structures.</td>
<td>Geostorage Corp.&lt;br&gt;15 Edgewood Rd&lt;br&gt;Rumson, NJ 07760&lt;br&gt;(732) 741-5015</td>
<td>Jeff Hancock – 804.786.4364 – jeff.hancock@</td>
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## STRUCTURAL MATERIALS AND COMPONENTS AND STEEL COATINGS

<table>
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<tr>
<th>VDOT #</th>
<th>Product Name</th>
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<th>VDOT Contact to Notify for Trial Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001-10</td>
<td>GTI Composite Bar Supports</td>
<td>Composite bar supports, chairs, and bolsters. These may be used on VDOT projects provided they meet the criteria set forth in the CRSI Manual of Standard Practice.</td>
<td>General Technologies, Inc. 13022 Trinity Drive Stafford, TX 77477 281.240.0550 gti-usa.cnet</td>
<td>VDOT Project Engineer</td>
</tr>
<tr>
<td>2010-04</td>
<td>Lancaster Composite CP40</td>
<td>A fender piling system that can be used for fender systems and seawalls.</td>
<td>Lancaster Composite 5843, 1919 Homestead Lane #102 Lancaster, PA 17601 717.945.5791 Sustainablecompositesllc.com</td>
<td>District Bridge Engineer</td>
</tr>
<tr>
<td></td>
<td>Marine Piling</td>
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<tr>
<td>2016-12</td>
<td>Natina Steel</td>
<td>Typically used in place of powder coating, paint, and cor-ten/weathering steel to create a more natural look on galvanized metal items.</td>
<td>Natina Products, LLC 1555 N VIP Blvd Casa Grande, AZ 85122 877-762-8462 <a href="http://www.natina.com">www.natina.com</a></td>
<td>Jim Swisher – 804.328.3121 – james.swisher@</td>
</tr>
<tr>
<td>2018-09</td>
<td>Yellow Jacket Friction</td>
<td>Used on piles to reduce down drag forces.</td>
<td>Foundation Technologies, Inc. 1400 Progress Ind. Lawrenceville, GA 30043 678-376-6647 <a href="http://www.foundatitonotechnologies.com">www.foundatitonotechnologies.com</a></td>
<td>William Bassett – 804.729.6355 – william.bassett@</td>
</tr>
<tr>
<td></td>
<td>Reduction Pile Sleeve</td>
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<tr>
<td>2019-15</td>
<td>Superpile</td>
<td>Fiberglass reinforced Polymer (FRP) Pipe Piles. May be used after review and approval by engineer in accordance with VDOT R&amp;B Spec 105.10(c) Working Drawings.</td>
<td>CP Creative Pultrusions 214 Industrial Lane Alum Bank, PA15521 888.274.7855 Creativepultrusions.com</td>
<td>Ed Darby – 804.328.3166 – thomas.darby@</td>
</tr>
<tr>
<td>2019-15A</td>
<td>Superloc</td>
<td>Fiberglass reinforced Polymer (FRP) Sheet Piling and accessories. May be used after review and approval by engineer in accordance with VDOT R&amp;B Spec 105.10(c) Working Drawings.</td>
<td>CP Creative Pultrusions 214 Industrial Lane Alum Bank, PA15521 888.274.7855 Creativepultrusions.com</td>
<td>Ed Darby – 804.328.3166 – thomas.darby@</td>
</tr>
<tr>
<td>VDOT #</td>
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<td>Product Contact Information</td>
<td>VDOT Contact to Notify for Trial Use</td>
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<tr>
<td>2003-00</td>
<td>Q-Seal</td>
<td>One-component loop sealant</td>
<td>Chemque, Inc. 6107 Guion Road Indianapolis, IN 46254 317.291.9107</td>
<td>Angela Beyke - 804.328.3130 – angela.beyke@</td>
</tr>
<tr>
<td>2005-18</td>
<td>FG 300 Curb System</td>
<td>Median separation system.</td>
<td>Davidson Traffic Control Products 3110 70th Ave East Tacoma, WA 98424 877.355.4638</td>
<td>Bret Galloway – 804-786-2536 bret.galloway@</td>
</tr>
<tr>
<td>2008-44</td>
<td>Snap’N Safe Breakaway Sign Post Couplers</td>
<td>Breakaway sign post couplers.</td>
<td>Designovations, Inc. 7339 Wildwood Road Stillman Valley, IL 61084 815.645.8598</td>
<td>Bret Galloway – 804-786-2536 bret.galloway@</td>
</tr>
<tr>
<td>2013-44</td>
<td>ADA Speakmaster</td>
<td></td>
<td>MDI Traffic Control Products 38271 W 12 Mile Road Farmington Hills, MI 48331 248.553.1900</td>
<td>Harry Campbell – 804.786.6374 – harry.campbell@</td>
</tr>
<tr>
<td>2014-01</td>
<td>Median Alert</td>
<td></td>
<td>Professional Pavement Products 9957 Moorings Dr. Suite 301 Jacksonville, FL 32257 888.717.7771</td>
<td>Harry Campbell – 804.786.6374 – harry.campbell@</td>
</tr>
<tr>
<td>2014-04</td>
<td>Curved Plastic Hand Hole Cover</td>
<td>Plastic cover for light pole electrical compartment.</td>
<td>Ironman Engineering, LLC 3600 Windmill Curv Woodbury, MN 51129</td>
<td>Harry Campbell – 804.786.6374 – harry.campbell@</td>
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# ANTI-ICING PRODUCTS

<table>
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<tr>
<th>VDOT #</th>
<th>Product Name</th>
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<th>Product Contact Information</th>
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</tr>
</thead>
</table>
| 2015-31 | Chemshield   | Polymer agent for use with anti-icing solutions, including salt brine, to be used on all paved surfaces. | Miller Chemical & Fertilizer Corporation  
120 Radio Road  
Hanover, PA 17331  
717.632.8921  
Millerchemical.com | Steve Shannon – 703.259.2357 – steven.shannon@ |
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<tr>
<th>VDOT #</th>
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<th>Product Use and Description</th>
<th>Product Contact Information</th>
<th>VDOT Contact to Notify for Trial Use</th>
</tr>
</thead>
</table>
20 E Winona Ave  
Norwood, PA 19074  
610-583-7657  
[www.shopetsonline.com](http://www.shopetsonline.com)                                                                                      | Angela Beyke - 804.328.3130 – angela.beyke@                                                                       |
20 E Winona Ave  
Norwood, PA 19074  
610-583-7657  
[www.shopetsonline.com](http://www.shopetsonline.com)                                                                                      | Angela Beyke - 804.328.3130 – angela.beyke@                                                                       |
| 2017-06 | NT-2500D Dewatering System | Roll-off type box with stainless steel mesh inside for dewatering maintenance activity sediments. While more of a tool than material item, maintenance requested it on SPEL for environmental requirements reasons. To be used in accordance with VDOT Waste Management & Pollution Guide, Guide 4.6 and App. 4.  
Newtech, Inc.  
P.O. Box 91  
Randolph, VT 05061  
802.728.9170  
800.210.2361  
[robert@newtechenviro.com](mailto:robert@newtechenviro.com)  
[www.newtechenviro.com](http://www.newtechenviro.com)                                                                                     | Justin Piccin – 804.704.1843 – Justin.piccin@  
AND  
Wansoo Kim – 804.328.3140 – wansoo.kim@                                                                                                  |
| SPEL-12 | Sikament 100 SC         | Anti-washout agent for hydraulic cement concrete.                                                                                                                                                                                                                                                                                                           | Sika Chemical Corporation  
201 Polito Ave,  
Lyndhurst, NJ 07071  
201.933.8800  
[https://usa.sika.com/](http://https://usa.sika.com/)                                                                                   | Angela Beyke - 804.328.3130 – angela.beyke@                                                                       |
| SPEL-13 | Nox-Crete Tax-X Graffiti Remover | Multiple applications using hot water pressure washing may be needed for heavy, aged graffiti.                                                                                                                                                                                                                                                                   | Nox-Crete Products  
1444 S. 20th Street  
Omaha, NE 68101                                                                                                                                  | Angela Beyke - 804.328.3130 – angela.beyke@                                                                       |