

Virginia Department of Transportation

Materials Division

New Products Evaluation List

(NPEL)

Revised – December 2, 2021

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 product must have VDOT interest and 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 added to the list with a VDOT number and VDOT contact to notify prior to use until adequate trials are documented over a period of time to justify its use.

After adequate trials, contact information will be deleted from the NPEL and replaced with “Approved for Use”. A product is removed from the list if it is used frequently enough to warrant a specification. The Approved List can be used if there are 3 or more of the same product meeting the new specification. *It can be removed if it did not work well in the trial installations, or it did not get used over a period of 2 years.*

Project Acceptance

Assignments on a Source of Materials (C-25) will include NPEL number, the assigned VDOT contact and phone number.

Field Evaluations

Prior to use, the VDOT contact listed will be notified no less than 5 days before installation. During installation the New Product Performance Evaluation Form (See. Chapter 1 Appx. G <https://www.vdot.virginia.gov/business/resources/Materials/bu-mat-MOI-I.pdf>) shall be filled out

and completed and returned to the Quality Assurance Manager within 2 weeks of installation. Manufacturer, Contractor and Project personnel are to ensure these requirements are met.

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, 804-317-0318cell / 804.328.3165office

New Product Applications can be found at:

<http://www.virginiadot.org/business/resources/Materials/bu-mat-NewProdApp.pdf>

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

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CONCRETE PRODUCTS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
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 снаiva@cs-nri.com 1733 Majestic Drive, Suite 101, Lafayette, CO 80026 geotreesolutions.com	Contact prior to use 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	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2019-55	Eco-Rise	Used to inject under concrete slabs that have settled to lift them up.	VF Specialty Products, LLC 2410 104 th ST CT S. Ste D Lakewood, WA 98499 253-588-7101 Paalyn Hunt paalynh@specialty-products.com	Contact prior to use Scott Crafton – 804.786.0735 – scott.crafton@
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/	Contact prior to use Michael Sprinkel – 434-906- 7220 – Michael.sprinkel@ AND Angela Beyke - 804.328.3130 – angela.beyke@
2020-69	Super Slab	Precast Pavement Systems – The approval is subject to further clarification of the submitted specification/details and a successful trial installation	The Fort Miller Co. P.O. Box 98 Schuylerville, NY 12871-0098 (516)695-4970	Contact prior to use Affan Habib – 804.328.3129 Affan.habib@
2021-05	Sika Pronto 500 PPC	Polyester Polymer Concrete System. Used as an alternative for concrete overlay product. Note: Once informed of installation, VDOT Contact is to notify Raquel Rickard, Industrial Hygienist.	Sika Corp. 201 Polito Avenue Lyndhurst, NJ 07071 Brandon McNamara Mcnamara.brandnon@us.sika.com (201)249-1993	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@

PATCH MATERIALS PRODUCTS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
2002-21	DOT-Pothole Filler	Pothole repair product. May be used on roadways with an ADT <= 13,000 VPD with < 6% trucks meeting FHWA Class 5 or greater.	NewLife Products and Equipment Co. 4821 Grisham Drive Rowlett, TX 75088 www.dotpotholefiller.com	Contact prior to use Sungho Kim – 804.328.3137 – sungho.kim@
2008-17	Subac	Underwater cement	Subac Underwater Cement, Inc. 1265 Saratoga St Boston, Massachusetts 02128 866.277.8222 http://www.subac.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2009-21	E-crete #57	Elastomeric Concrete Patching Materials.	Chase Corporation 295 University Avenue Westwood, MA 02090 Dave Fricke dfricke@chasecorp.com 781.332.7000 https://chasecorp.com/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2010-07	Rapid Set Cement	Rapid-setting cement for use in hydraulic cement concrete mixes for the purpose of patching hydraulic cement concrete elements.	CTS Cement Manufacturing Corporation 12442 Knott St., Garden Grove, CA 92841 714.793.1040 https://www.ctscement.com/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2012-13	TechCrete TBR	A hot-applied polymer-modified resin based flexible concrete repair for use with Flexible Concrete Plug Joints for Bridges.	Crafco, Inc. 6165 W. Detroit St. Chandler, AZ 85226 Main: Store #:800-732-5268 www.crafco.com Emory Banner Emory.Banner@crafco.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@AND Todd Springer – 804.786.7537 – todd.springer@ before use with flexible concrete plug joints for bridges
2015-02	Fibrecrete EG	A hot-applied polymer-modified resin based flexible concrete repair are suitable flexible concrete materials for use with Flexible Concrete Plug Joints for Bridges.	Fibrecrete Preservation Technologies, Inc 401 Old US 52 South Mount Airy, NC 27030 USA t: 1-336-789-7259 www.fibrecretept.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@AND Todd Springer – 804.786.7537 – todd.springer@ before use with

			Bart Pharr BPharr@fibrecretept.com	flexible concrete plug joints for bridges
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.	Crafco, Inc. 6165 W. Detroit St. Chandler, AZ 85226 Main: Store #:800-732-5268 www.crafco.com Emory Banner Emory.Banner@crafco.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@ for concrete use AND Sungho Kim – 804.328.3137 – sungho.kim@ for asphalt use
2021-06	Power Grid Stitch	Pre-impregnated, bidirectional carbon fiber grid strap for use as an externally bonded reinforcement for crack stitching and strengthening of concrete and masonry structures.	Fortec Stabilization Stabilization System 184 West 64 th Street Holland, MI 418111 todd@fortechstabilization.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@

ASPHALT PRODUCTS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
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	Contact prior to use 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.	Branscome Solution Jack Kowalski 432 McLaws Circle Williamsburg, VA 23185 757-320-1415 kowalskj@branscome.com	Contact prior to use 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	Contact prior to use 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	Contact prior to use 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	Contact prior to use 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	Contact prior to use Sungho Kim – 804.328.3137 – sungho.kim@

STRUCTURE AND PAVEMENT JOINT SYSTEMS, JOINT FILLER MATERIALS, AND CRACK SEALERS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
NPEL-10	Emseal Bridge Expansion Joint System	100% acrylic, preformed, pre-compressed, factory cured and silicone-coated impregnated cellular foam for bridge expansion joints.	Emseal Joint Systems, Ltd. 25 Bridle Ln, Westborough, MA 01581 https://www.emseal.com/ 508.836.0280	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
NPEL-11	Weathermaster Ultimate MP Sealant	Adheres well to damp surfaces and provides a weather-tight seal against water, wind, dust and dirt.	Titebond 2020 Bruck Street Columbus, Ohio 43207 Phone: 1.800.877.4583 http://www.titebond.com/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
1991-06	Jeene Structural Joint Sealing System	Structural sealing joint system	Watson Bowman Acme Corp. 95 Pineview Drive Buffalo, NY 14228 800.6677.4922 www.wbacorp.com	Contact prior to use 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/	Contact prior to use 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/	Contact prior to use 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/	Contact prior to use 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 Dave Fricke	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@

			dfricke@chasecorp.com	
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 Dave Fricke dfricke@chasecorp.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2009-31	Tripstop	Expansion joint product for sidewalks	Access Products, Inc. 241 Main St., Suite 100, Buffalo, New York 14203 Phone: (888) 679-4022 Email: info@accessproducts.com https://tripstop.us/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2010-19	WABO Evazote UV Expansion Joint System	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.	Watson Bowman ACME/BASF 95 Pineview Dr, Buffalo, NY 14228 800.677.4922 https://www.wbacorp.com/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2013-11	WABO SPS Joint System	Preformed silicone joint	Watson Bowman ACME/BASF 95 Pineview Dr, Buffalo, NY 14228 800.677.4922 https://www.wbacorp.com/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2015-26	Nomaflex	Polypropylene foam preformed expansion joint filler.	NOMACO 501 Innovative Way Zebulon, NC 27597 https://www.nomaco.com/ (919) 269-6500	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2016-18	EP-PJ		E-Chem, LLC 2944 Williams St. SE Albuquerque, NM 87102 http://e-chem.net/ 505.217.2121	Contact prior to use Kevin O’Neill – 804.609.5259 – kevin.oneill@

2018-01	WABO FS Bridge Seal	Pre-compressed, silicone coated, self-expanding foam	Watson Bowman ACME/BASF 95 Pineview Dr, Buffalo, NY 14228 (800) 677-4922 https://www.wbacorp.com/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2019-13	J-Band	Void reducing asphalt membrane which is a polymer modified asphalt material designed to fill the asphalt voids at the asphalt pavement longitudinal joint.	Associated Asphalt 2677 Roanoke Ave., SW Roanoke, VA 24015 https://associatedasphalt.com/	Contact prior to use Sungho Kim – 804.328.3137 – sungho.kim@
2019-21	Emcrete II / Emseal	Material to work in conjunction with approved Class III BEJS	Sika/Emseal 201 Polito Avenue Lyndhurst, NJ 07071	Contact prior to use Jeff Milton – 434.856.8278 – jeffrey.milton@

JOINT MAINTENANCE AND WATERPROOFING

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
NPEL-02	Fortec 5680-BD Kevlar	Bi-directional fabric for crack repair, waterproofing and structural reinforcement. Used for sealing joints between bridge voided slabs and box beams along with Epoxy EP-7.	Todd Jackson Fortec Stabilization System 800.207.6204 solutions@fortecstabilization.com 184 West 64 th Street, Holland, MI 49423 www.FortecStabilization.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
NPEL-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 tech.services@mineralstech.com 2870 Forbs Ave. Hoffman Estates, IL 60192 www.cetco.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2007-78	Hydratite Sealing System	Internal trenchless method of repairing joint failures in RCP storm drain structures.	Hydratech Engineered Prod. 10448 Chester Road Cincinnati, OH 45215 513-827-9169 www.hydratechllc.com Heather Spurlino (513-978-6442) Heather.spurlina@hydratechllc.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2008-11	Bridge Deck Membrane System	Highway bridge deck waterproofing membrane	Bridge Preservation, LLC 686 South Adams Street Kansas City, KS 66105 Phone: (913) 321-9000 www.bridgepreservation.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2009-02	Ultracure DOT	Concrete curing blanket that does not require re-wetting.	McTech Group, Inc. P.O. Box 626 Hertford, NC 27944 866.913.8363 www.mctechgroup.com/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@

2010-21	Voltex DS	Waterproofing membrane installed on the exterior of below-grade structures,	Stacy Byrd CETCO 800.527.9948 tech.services@mineralstech.com 2870 Forbs Ave. Hoffman Estates, IL 60192 www.cetco.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2017-16	Miraply-H	Waterproofing liner. Not for use on pipe joints.	Scott Hauser Carlisle Coatings and Waterproofings 704.622.0984 900 Hensley Lane, Wylie, TX 75098 www.carlisleccw.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2018-08	Hydrflex Ultra HU40B LLDPE Geomembrane	Used to prevent bond between existing and new concrete structures.	Jim Carbone Raven Industry 216.401.4058 James.carbone@ravenind.com 1430 Genicom Dr. Waynesboro, VA 22980 www.ravenefd.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2021-02	BridgeDeck PROtectant	Spray applied to bridge decks to heal cracks and provide long-term waterproofing	Paul Shelton Alchemco 804-585-5165 Paul.shelton@alchemco.com 3532 Maryland Court Henrico, VA 23233	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2021-03	BridgeDeck Waterproofing Agent	Spray applied to bridge decks to heal cracks and provide long-term waterproofing	Paul Shelton Alchemco 804-585-5165 Paul.shelton@alchemco.com 3532 Maryland Court Henrico, VA 23233	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2021-04	BridgeDeck PROtectant Plus	Spray applied to bridge decks to heal cracks and provide long-term waterproofing	Paul Shelton Alchemco	Contact prior to use

			804-585-5165 Paul.shelton@alchemco.com 3532 Maryland Court Henrico, VA 23233	Angela Beyke - 804.328.3130 – angela.beyke@
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SOIL STRENGTHENING CHEMICALS AND CHEMICAL GROUTS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
2009-54	Ecoroads	A road stabilization technology that helps increase the strength, density and durability of roads and road bases.	Edward Rotstein Terrafusion International, Inc. 800.820.9971 contact@ecoroads.net 10 148th Ave NE, Office 201, Bellevue WA98007 www.ecoroads.net	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2016-05	AV-202 Multi Grout	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.	Frank Aguilar Avanti International 281.486.5600 Frank.aguilar@avantigrout.com 822 Bay Star Blvd., Webster, TX, 77598 www.avantigrout.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@

LIGHTWEIGHT AGGREGATE AND SYNTHETIC DRAINAGE MATERIAL

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
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	Contact prior to use 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 ccoughlan@insulfoam.com 4500 South Frontage Rd. Lakeland, FL 33815 www.insulfoam.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2017-13	UL-FGA-15	Ultra-lightweight Foamed Glass Aggregate.	Archie Filshill Aero Aggregates of North America LLC 833.261.8499 archie@aeroaggregates.com 1500 Chester Pile, Eddystone, PA 19022 www.aeroaggregates.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@

EROSION CONTROL AND OTHER LANDSCAPE TREATMENT

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
NPEL-05	Quikrete	Pre-packaged rip rap bags.	Quikrete Co. of VA 3712 Cook Blvd Chesapeake, VA 23323 757.487.3413 Quikrete.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
NPEL-04	EZ-Catch	Below grate inlet protection with adjustable frame.	Flo-Water, LLC 308 33rd St. West Des Moines, IA 50265 515-577-6763	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2007-25	Silt Trap System	Storm water inlet filtration system	Erosion Control Products Inc. 4006 Van Dyke Court Monroe, NC 28110 704-821-4427	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
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	Contact prior to use 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	Contact prior to use 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 Huseker, Inc 704.588.5500 mmorgan@huesker.com 3701 Arco Corporate Dr #525, Charlotte, NC 28273	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@

			www.huesker.com	
2012-02	3M Scotch-Weld Holdfast 70	Cylinder Adhesive for Geotextile Seaming.	Craig Moss 3M Company 651.736.2070 cmoss@mmm.com 3M Center 220-04W-03 St. Paul, MN www.3m.com/3M/en_US/building-construction-us/	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2013-37	Typar Defencell	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.	Berry Global, Inc. 70 Old Hickory Blvd Old Hickory, TN 37138 Keith Misukanis keithmisukanis@berryglobal.com www.berryglobal.com 615-847-7000	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2014-05	Flexamat	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.	Motz Enterprises, Inc. 3153 Madison Road Cincinnati, OH 45209 513-772-6689	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2014-06	Siltsack	Drop inlet silt trap.	ACF Environmental 2831 Cardwell Road Richmond, VA 23234 (800) 223-9021	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2015-01	APS 700	Polyacrylamide Erosion Control Powder	Applied Polymer Systems 519 Industrial Drive Woodstock, GA 30189 678.494.5998	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2015-21	Ecoraster E50 Permeable Paving System	Versatile permeable pavement and soil reinforcement system that manages storm water where it falls	Mike Coates Purus North America, Inc. 800.495.5517 mike@ecorastergrid.com P.O. Box 53, 801 Tremaine Ave S, Listowel, ON N4W 3H2, Canada www.ecorastergrid.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@

2016-07	Hydroloc H30-PAM	Soil stabilizing agent which reduces soil erosion, runoff, and dust.	Carolina Hydrologic, LLC 153 North Sea Pines Dr Hilton Head Island, SC 29928 (843) 906-4614	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2016-17	Shoreflex	Consists of concrete embedded in a high strength geogrid backed by Landlok 450 and used as a rolled erosion control product. The product may be used as an alternative to the EC-3 Types 1, 2, or 3.	Shoretac, LLC 38200 LA HWY 16 Denham Springs, LA 70706 (225) 667-4545	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2017-01	Aquasorb	Super-absorbent anionic polyacrylamide (PAM) polymer. Enhances plant growth by increasing the water-holding capacity of the soil.	SNF Holding Company 1 Chemical Plant Road Riceboro, GA, 31323 (912) 884-3366 www.snf.us	Contact prior to use Scott Crafton – 804.786.0735 – scott.crafton@
2017-05	Proganics Biotic Soil Media	Biotic Soil Media.	Profile Products LLC 750 Lake Cook Rd, Ste 440 Buffalo Grove, IL 60089 800-508-8681	Contact prior to use Scott Crafton – 804.786.0735 – scott.crafton@
2018-07	Typar Geocell	4-in, 6-in, or 8-in high cellular soil confinement product available in sheets for use as slope protection against erosion.	Keith Misukanis Berry Global, Inc. 615-847-7000 keithmisukanis@berryglobal.com 70 Old Hickory Blvd. Okd Hickory, TN 37138 www.berryglobal.com	Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@
2019-01	Silt Saver Pipe Stopper B-DOT	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.	Silt Saver, Inc. 1200 Forrester Cemetery Rd Covington, GA 30014 (770) 388-7818	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2020-50	EarthGuard Fiber Matrix	HECP with tackifier and anionic polyacrylamide (PAM) used as mulch. Product is on APL No. 79 for use as HECP Type 3 & 4, but this NPEL is for use with PAM at a lower application rate to evaluate the effectiveness on a project specific basis.	LSC Environmental 2183 Pennsylvania Ave. Apalachin, NY 13732 800-800-7671	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@
2020-04	ShearForce10	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	GrassWork, LLC 2381 Centerline Industrial Dr St. Louis, Missouri 63146	Contact prior to use Jeff Hancock – 804.786.4364 – jeff.hancock@

		use and evaluation purposes on a project by project basis.	Cell (812)483-1532	
2021-09	Retem 3D Steel Grid *Verify Buy America before using on Federally Funded projects.	The Retem system is an erosion control system comprised of a galvanized steel grid made of 2 parallel steel strips linked by oblique ribs without welding points, steel anchors, LDPE (Nylon) sheet and a ready-mix concrete. The system was developed for various erosion control applications – rigid ditch lining, reinforcing culverts inlets and outlets, flume channels construction, concrete slope paving etc.	Matthew Benka MDB Strategies 804.240.7984 matt@mdbstrategies.com 8901 River Road Richmond, VA 23229 https://www.youtube.com/watch?v=Er_Q1Wb4j9s	Contact prior to use Scott Crafton – 804.627.3733 Scott.Crafton@
2021-10	TreeDiaper	TreeDiaper is a patented, multifunctional plant protection system featuring a slow-releasing irrigation source which auto-recharges from rain/snow. It also enhances road salt damage mitigation, weed control & protection of selected vegetation from extreme weather conditions. It also reduces water & fertilizer runoff, which decreases erosion/pollution. By absorbing rain or irrigation water that would otherwise be standing water or wasted as runoff, it significantly boosts the field capacity and plant available water and alleviates the over-watering issue. When used properly, it promotes healthy outward root growth that facilitates establishment of newly planted trees and shrubs and enhances the long term health. It is a four-season watering technology that can significantly reduce watering need during winter drought periods. It is a very effective irrigation product for Green Stormwater Infrastructure.	Wei Zhang, Ph.D. Zynnovation LLC 9424 Atlee Commerce Blvd, Suite E Ashland, VA 23005 E-mail: weizhang@treediaper.com Ph: 540-239-2438 Fax: 804-302-9100 www.treediaper.com	Contact prior to use Scott Crafton – 804.786.0735 – scott.crafton@

STORMWATER DRAINAGE PRODUCTS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
2013-23	<p>SR-HDPE (Steel Reinforced HDPE) Pipe</p> <p>*Verify Buy America before using on Federally Funded projects.</p>	<p>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.</p>	<p>Greg Nester Contech Engineered Solutions 540.797.6499 Gnester@conteches.com 137 Charmwood Circle, Moneta, VA 24121 https://www.conteches.com/pipe/steel-reinforced-polyethylene-srpe-pipe/duromaxx-pipe</p>	<p>Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@</p>
2021-08	<p>Kanapipe</p> <p>*Verify Buy America before using on Federally Funded projects.</p>	<p>Steel reinforced HDPE corrugated pipe. Follows AASHTO MP-42 Standard Specification, and design follows AASHTO LRFD Bridge Design Spec. Installation for direct burial and relining up to 60" diameter.</p>	<p>Kevin Cornell 224-545-2012 Kccornell@comcast.net 800 Woodlands Parkway Vernon Hills, IL 60061 Kanaflexcorp.com</p>	<p>Contact prior to use Wansoo Kim – 804.328.3140 – wansoo.kim@</p>

STRUCTURAL MATERIALS AND COMPONENTS AND STEEL COATINGS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
NPEL-01	Carbon Fiber Strand	0.2-in to 0.6-in diameter carbon fiber strand for use as concrete reinforcing.	Tokyo Rope Company, Ltd 8301 Ronda Dr. Canton, MI 48187 734.335.6037 Tokyorope.co.jp/english	Contact prior to use Jeremy Clary – 804.328.3160 – jeremy.clary@ AND Bernard Kassner 434-293-1929 Bernier.kassner
2001-10	GTI Composite Bar Supports	Composite bar supports, chairs, and bolsters. These may be used o VDOT projects provided they meet the criteria set forth in the CRSI Manual of Standard Practice.	General Technologies, Inc. 13022 Trinity Drive Stafford, TX 77477 281.240.0550 gti-usa.cnet	Contact prior to use VDOT Project Engineer
2010-04	Lancaster Composite CP40 Marine Piling	A fender piling system that can be used for fender systems and seawalls.	Lancaster Composite 5843, 1919 Homestead Lane #102 Lancaster, PA 17601 717.945.5791 Sustainablecompositesllc.com	Contact prior to use District Bridge Engineer
2016-12	Natina Steel	Typically used in place of powder coating, paint, and cor-ten/weathering steel to create a more natural look on galvanized metal items.	Natina Products, LLC 1555 N VIP Blvd Casa Grande, AZ 85122 877-762-8462 www.natina.com	Contact prior to use Jim Swisher – 804.328.3121 – james.swisher@
2018-09	Yellow Jacket Friction Reduction Pile Sleeve	Used on piles to reduce down drag forces.	Foundation Technologies, Inc. 1400 Progress Ind. Lawrenceville, GA 30043 678-376-6647 www.foundationtechnologies.com	Contact prior to use William Bassett – 804.729.6355 – william.bassett@
2021-11	ClearCast Forms	Transparent stay-in-place form systems may be used for bridge deck construction (new or bridge deck replacements). Prefabricated forms are designed and supplied custom to the bridge, consisting of a galvanized, cold formed steel frame and acrylic plastic that allows for over 70% visibility to the underside of the deck concrete during and after construction. ClearCast Forms offer advantages for bridge deck construction by improving speed, safety, and	David Brodowski TrueTech Bridge 937.3048574 brodowskid@inventure-group.com 223 S. West Street Suite 925 Raleigh, NC 27603	Contact prior to use Adam Matteo – 804.786.5171 Adam.Matteo@ And Angela Beyke - 804.328.3130 – angela.beyke@

	<p>Note: ClearCast Forms consist of galvanized steel joists and tracks with an acrylic sheet attached to the steel joist top flange using 3M VHB structural tape</p>	<p>sustainability. The form system allows for bridge deck inspection through the form, helping bridge owners comply with MAP-21 inspection metrics and better data for condition rating. With better data on the condition, VDOT can extend the life of the deck through condition based, timely preservation actions.</p>		
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TRAFFIC CONTROL DEVICES

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
2003-00	Q-Seal	One-component loop sealant	Chemque, Inc. 6107 Guion Road Indianapolis, IN 46254 317.291.9107 www.chemque.com	Contact prior to use Bret Galloway – 804-786-2536 bret.galloway@
2005-18	FG 300 Curb System	Median separation system.	Davidson Traffic Control Products 3110 70 th Ave East Tacoma, WA 98424 877.355.4638 www.davidsontraffic.com	Contact prior to use Bret Galloway – 804-786-2536 bret.galloway@
2008-44	Snap'N Safe Breakaway Sign Post Couplers	Breakaway sign post couplers.	Designovations, Inc. 7339 Wildwood Road Stillman Valley, IL 61084 815.645.8598 www.designovations.com	Contact prior to use Bret Galloway – 804-786-2536 bret.galloway@
2013-44	ADA Speakmaster		MDI Traffic Control Products 38271 W 12 Mile Road Farmington Hills, MI 48331 248.553.1900 Mdiworldwide.com	Contact prior to use Bret Galloway – 804-786-2536 bret.galloway@
2014-01	Median Alert		Professional Pavement Products 9957 Moorings Dr. Suite 301 Jacksonville, FL 32257 888.717.7771 Pppcatalog.com	Contact prior to use Bret Galloway – 804-786-2536 bret.galloway@
2014-04	Curved Plastic Hand Hole Cover	Plastic cover for light pole electrical compartment.	Ironman Engineering, LLC 3600 Windmill Curv Woodbury, MN 51129 651.587.9535 www.handholecover.com	Contact prior to use Bret Galloway – 804-786-2536 bret.galloway@

ANTI-ICING PRODUCTS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
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	Contact prior to use Steve Shannon – 703.259.2357 – steven.shannon@

MISCELLANEOUS

VDOT #	Product Name	Product Use and Description	Product Contact Information	VDOT Contact to Notify for Trial Use
NPEL-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/	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
NPEL-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. 20 th Street Omaha, NE 68101 402-341-1976 www.nox-crete.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
1987-53	Polydrain	Surface & Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	ABT, Inc Troutman, NC	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@
2001-22	S100K Powerdrain & Highway Drain (HD200)	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	ACO Polymer Products Chaprin Falls, OH	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@
2002-05	Hi-Cap	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	Zurn Industries Erie, PA	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@
2002-5B	Flo-Thru	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	Zurn Industries Erie, PA	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@

2002-05C	Sani-Flo	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	Zurn Industries Erie, PA	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@
2003-15	Taginator	Graffiti removal liquid.	Equipment Trade Service Co. 20 E Winona Ave Norwood, PA 19074 610-583-7657 www.shopetsonline.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2003-17	Tagaway	Graffiti removal liquid for painted and smooth surfaces.	Equipment Trade Service Co. 20 E Winona Ave Norwood, PA 19074 610-583-7657 www.shopetsonline.com	Contact prior to use Angela Beyke - 804.328.3130 – angela.beyke@
2005-05A	Perma Trench	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	Zurn Industries Erie, PA	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@
2008-39	ACO TraffikDrain	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	ACO Polymer Products Chaprin Falls, OH	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@
2013-53	Eric'Sons DuraTrench	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided by manufacturers on the VDOT Materials Division Approved List #61</i>)	Eric'Sons Dallas, GA	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477 matthew.cross@
2014-47	HydroTech Trench Drain	Trench Drain (<i>Ductile or gray iron castings shall conform to Section 224 of the VDOT Road and Bridge Specifications. All castings shall be provided</i>)	Hydrotech Technologies, AG Wildehausen Germany	Contact prior to use Wansoo Kim - 804.328.3140 – wansoo.kim@ And Matt Cross – 804.786.2477

		<i>by manufacturers on the VDOT Materials Division Approved List #61)</i>		matthew.cross@
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 NPEL 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 www.newtechenviro.com	Contact prior to use Justin Piccin – 804.704.1843 – Justin.piccin@ AND Wansoo Kim – 804.328.3140 – wansoo.kim@
2020-67	TopShell	Cementitious materials for slurry/sealing asphalt pavements.	TopShell, LLC George Walker P.O. Box 5022 Austin, TX 78763 gwalker@topshellcompanies.com	Contact prior to use Sungho Kim – 804.328.3137 – sungho.kim@