

2016 APPROVED PRODUCTS LIST

Edition 2016-1 (March 15, 2016)
Prepared by the:
Vermont Agency of Transportation
Research and Development Section

The following list includes all material specifications within the Vermont Agency of Transportation current Standard Specifications for Construction that are stated as needing to be on the Approved Products List. Products contained within the list have undergone a committee review, an in-place evaluation, and/or an information gathering process in order to determine their viability for successful use within Vermont. Should a product not be listed that is desired to be used, please have the manufacturer or distributor fill out and submit a New Product Submittal Form, which can be found in Appendix A, along with materials safety data sheets and any pertinent information. A determination will then be made during the quarterly New Product Committee meetings.

Upon the use of any product herein, the Resident Engineer is required to:

1. Verify by inspection that the material being incorporated in the project is listed on the current version of the APL. If it is not, the material or product shall be rejected.
2. Complete a form TA 556 (Project Materials Acceptance Report). The form **must** include the **exact and full product name and manufacturer**. A copy can be found in Appendix A.
3. Mail or email the TA 556 Approved Product List form to the Materials Acceptance Program – Certification Unit of the Construction and Materials Bureau.
4. The Resident Engineer should keep a copy of form TA 556 for his/her records.

Questions regarding this list should be directed to the Research and Development Section of the Policy, Planning, and Research Bureau at (802) 828-3751 or Email at AOT.ResearchSection@Vermont.gov.



William E. Ahearn
William E. Ahearn, P.E.
Research Managing Engineer

3/14/2016
Date

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Approved products listing

Material Spec. No.: 514.02, Concrete Water Repellent - Silane

Certification required: None **Const. section nos.:** 514

Product	Manufacturer	Distributor	Jurisdiction	Comments
Ghostshield Siloxa-Tek 8500	Kretetek Industries, LLC 1000 N West St. Wilmington, DE 19801 Tel: (855) 573-8383 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
MasterProtect H 1000	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	Formerly Hydrozo 100.
MasterProtect H 440 HZ	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Formerly Hydrozo Silane 40 VOC and Masterseal SL 40.
Penseal 244-40% Aim	Vexcon Chemicals, Inc. 7240 State Rd Philadelphia, PA 19135 Tel: (215) 332-7709 FAX: (215) 332-9997	A.H. Harris 367 Alumni Rd. Newington, CT 06111 Tel: 860 665-9444 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Protectosil BH-N	Evonik Degussa Corp 2 Turner Place Piscataway, NJ 08854 Tel: (732) 981-5462 FAX: (732) 981-5275	Sivento 379 Interpace Parkway Parippany, NJ 07054 Tel: 800 828-0919 FAX: 973-541-8503	Main: Research (802)828-3751 Alt.: N/A	Also known as Dynasytan BH-N

Please submit a TA 556 form to the Materials Acceptance Program – Certification Unit of the Construction and Materials Bureau upon use of any APL product.

Please contact the Vermont AOT Research Section with any questions regarding the APL at AOT.ResearchSection@Vermont.gov.

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Approved products listing

Material Spec. No.: 514.02, Concrete Water Repellent - Silane

Certification required: None **Const. section nos.:** 514

Product	Manufacturer	Distributor	Jurisdiction	Comments
Protectosil Chem-Trete 40 VOC	Evonik Degussa Corp 2 Turner Place Piscataway, NJ 08854 Tel: (732) 981-5462 FAX: (732) 981-5275	Sivento 379 Interpace Parkway Parippany, NJ 07054 Tel: 800 828-0919 FAX: 973-541-8503	Main: Research (802)828-3751 Alt.: N/A	
Protectosil CIT	Evonik Degussa Corp 2 Turner Place Piscataway, NJ 08854 Tel: (732) 981-5462 FAX: (732) 981-5275	Sivento 379 Interpace Parkway Parippany, NJ 07054 Tel: 800 828-0919 FAX: 973-541-8503	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
SIL-ACT ATS-100	Advanced Chemical Technologies 9608 N. Robinson Ave. Oklahoma City, OK 73116 Tel: (405) 843-2585 FAX: (405) 843-2596	Advanced Chemical Tech. 100 W. Wilshire Blvd. Oklahoma City, OK 73116 Tel: 405 843-2585 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
SIL-ACT ATS-42	Advanced Chemical Technologies 9608 N. Robinson Ave. Oklahoma City, OK 73116 Tel: (405) 843-2585 FAX: (405) 843-2596	Advanced Chemical Tech. 100 W. Wilshire Blvd. Oklahoma City, OK 73116 Tel: 405 843-2585 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
SIL-ACT ATS-42A	Advanced Chemical Technologies 9608 N. Robinson Ave. Oklahoma City, OK 73116 Tel: (405) 843-2585 FAX: (405) 843-2596	White Cap Contru. Supply 232 Frontage Manchester, NH 03103 Tel: 603-263-7337 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Approved products listing

Material Spec. No.: 514.02, Concrete Water Repellent - Silane

Certification required: None **Const. section nos.:** 514

Product	Manufacturer	Distributor	Jurisdiction	Comments
Sure Klean Weather Seal SL-100	PROSOCO, Inc. 3741 Greenway Circle Lawrence, KS 66046 Tel: (785) 865-4200 FAX: (785) 830-9016	Barker Steel Co. Inc. US RT. 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: (603)632-6066	Main: Research (802)828-3751 Alt.: N/A	
Weather Worker J-29WB	Dayton Superior Corp. 1125 Byers Road Miamisburg, OH 45342 Tel: (937) 865-9182 FAX: (913) 371-3330	Barker Steel Co. Inc. US RT. 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: (603)632-6066	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Material Spec. No.: 519.02, Waterproofing Membranes - Torch Applied

Certification required: None **Const. section nos.:** 519

Product	Manufacturer	Distributor	Jurisdiction	Comments
Armour Bridge	IKO Industries LTD 40 Hansen Rd. South Brampton, ON L6W 3H4 Tel: (905) 457-2880 FAX: (905) 450-3620	Venture Construction Inc 1105 N. Market Street, Wilmington, DE 19849 Tel: 888-491-6444 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Required laydown temperature of HMA is 290-310 degrees F. For decks greater than 750 sq feet in area the only authorized method of application is the machine method. The Armourbridge system consists of Elastoco 500 primer, Armourbridge Membrane and Bakor 790-11 sealer. Lancing to remove trapped air or steam at the time of placement shall be completed in accordance with the manufacturer's instructions.
Flam Anti-Rock	Soprema, Inc. 310 Quadral Drive Wadsworth, OH 44281 Tel: (800) 356-3521 FAX: (330) 334-4289	Quinn-Brown Associates 3 Green Street Norway, ME 04268 Tel: 207-742-8885 FAX: 207-743-0598	Main: Research (802)828-3751 Alt.: N/A	Required laydown temperature of HMA is 290-310 degrees F. For decks greater than 750 sq feet in area the only authorized method of application is the machine method. Lancing to remove trapped air or steam at the time of placement shall be completed in accordance with the manufacturer's instructions.

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Material Spec. No.: 520.10, Membrane Waterproofing, Spray Applied

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
Bridge Deck Membrane (BDM)	Bridge Preservation, LLC 686 South Adams St Kansas City, KS 66105 Tel: (913) 912-3305 FAX: (913) 321-9007	RJ Watson 78 John Glenn Drive Amherst, NY 14228 Tel: 716-691-3301 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Eliminator	Stirling Lloyd Products, Inc 152 Rockwell Road Blg A Newington, CT 06111 Tel: (860) 666-5008 FAX: (860) 666-5106	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Polyflex Bridge Deck System	Wasser Coatings 4118 B PL NW, #8 Auburn, WA 98001 Tel: 800-627-2968 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Material Spec. No.: 621.11, Delineators for Concrete Median Barriers (CMB)

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M Linear Delineation System Series 340	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
A-Shape Highway Traffic Reflector	Irwin Hodson Company 2838 SE 9th Avenue Portland, OR 97202 Tel: (503) 231-9990 FAX: (503) 239-5304	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Barrier Traffic Reflector	Irwin Hodson Company 2838 SE 9th Avenue Portland, OR 97202 Tel: (503) 231-9990 FAX: (503) 239-5304	Irwin Hodson Company 2838 SE 9th Avenue Portland, OR 97202 Tel: 503-419-4624 FAX: 503-239-5304	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 707.03, Mortar, Type IV

Certification required: None **Const. section nos.:** 541

Product	Manufacturer	Distributor	Jurisdiction	Comments
Ambex Anchoring Capsules	Ambex Concrete Technologies 1522 Blvd des Laurentides Laval, PQ H7M 2N7 Tel: (888) 351-7585 FAX: (450) 662-9013	Ambex Concrete Technologi 1522 Blvd.Des Laurentides Laval, PQ H7M2N7 Tel: 888-351-7585 FAX: 450-662-9013	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Allowed to be used in all applications as per manufacturers recommendation. Not suitable for prolonged tension without specific project approval.
Duracrete II	Kaufman Products, Inc. 3811 Curtis Ave Baltimore, MD 21226 Tel: (800) 637-6372 FAX: (410) 354-1122	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Five Star Grout	Five Star Products, Inc. 60 Parrott Drive Shelton, CT 06484-4733 Tel: (800) 336-7908 FAX: (203) 336-7930	Barker Steel Co. Inc. US RT. 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: (603)632-6066	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval.
Intraplast-N	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval.
MasterFlow 100	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	Trowel Trades 71 Troy Avenue Colchester, VT 05446 Tel: (802)655-3166 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval. Formerly MBT Construction Grout.

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Material Spec. No.: 707.03, Mortar, Type IV

Certification required: None **Const. section nos.:** 541

Product	Manufacturer	Distributor	Jurisdiction	Comments
MasterFlow 713	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval. Formerly MBT Masterflow 713 Plus.
NC Grout	The Euclid Chemical Co. 19320 Redwood Rd Cleveland, OH 44110-2799 Tel: (216) 692-8305 FAX: (216) 531-9399	Carroll Concrete & Supply 244 Granger Rd. Barre, VT 05641 Tel: 802-299-2400 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
SC Multipurpose Grout	SpecChem, LLC 1511 Baltimore Ave S 600 Kansas City, MO 64108 Tel: (816) 968-5600 FAX: (913) 371-8701	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Sika Grout 212	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval.
Sika MonoTop 611	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval.

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Material Spec. No.: 707.03, Mortar, Type IV

Certification required: None **Const. section nos.:** 541

Product	Manufacturer	Distributor	Jurisdiction	Comments
SikaTop 122 Plus	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval.
Sure Grip High Performance Grout	Dayton Superior Corp. 1125 Byers Road Miamisburg, OH 45342 Tel: (937) 865-9182 FAX: (913) 371-3330	Barker Steel Co. Inc. US Rte 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: 603-632-6066	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Not suitable for prolonged tension without specific project approval.
Suregrout 106	Kaufman Products, Inc. 3811 Curtis Ave Baltimore, MD 21226 Tel: (800) 637-6372 FAX: (410) 354-1122	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Not suitable for prolonged tension without specific project approval.

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Material Spec. No.: 707.15, Asphaltic Plug Bridge Joint

Certification required: None **Const. section nos.:** 516

Product	Manufacturer	Distributor	Jurisdiction	Comments
6297 Asphalt Plug Bridge Joint System	Right Pointe Co. 234 Harvestore Drive Delcalb, IL 60115 Tel: (888) 755-5700 FAX: (815) 754-5702	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Matrix 501	Crafco, Inc. 420 N. Roosevelt Avenue Chandler, AZ 85226 Tel: (800) 528-8242 FAX: (480) 961-0513	Crafco, Inc. - Job Davis 197 Bean Hill Rd. Belmont, NH 03220 Tel: 603-387-8430 FAX: 603-267-6359	Main: Research (802)828-3751 Alt.: N/A	
Thorma Joint	Dynamic Surface Applications 373 Village Road Pennsdale, PA 17756 Tel: (800) 491-5663 FAX: (888) 600-0036	Nicom Coatings Corp. Granger Road Berlin, VT 05641 Tel: 229-5261 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Wabo Expandex	BASF 95 Pineview Drive Amherst, NY 14228 Tel: (716) 691-7566 FAX: (716) 691-9239	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.05(b), Coatings for Wood: Insecticide/Fungicide

Certification required: None **Const. section nos.:** 660

Product	Manufacturer	Distributor	Jurisdiction	Comments
Bora-Care	Nisus Corp 100 Nisus Dr. Rockford, TN 37853 Tel: (865) 577-6119 FAX: (865) 577-5825	Univar 155-C New Boston St. Woburn, MA 01801 Tel: 7819393150 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Shell-Guard	Perma-Chink Systems, Inc 1605 Prosser Rd Knoxville, TN 37914 Tel: (800) 548-3554 FAX: (865) 523-9475	Perma-Chink Systems, Inc. 17635 NE 67th Ct. Redmond, WA 98052 Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.05(c), Coatings for Wood: Fire Retardant

Certification required: None **Const. section nos.:** 660

Product	Manufacturer	Distributor	Jurisdiction	Comments
Andek Firegard Fire Retardant Paint	Andek Corporation 850 Glen Ave, PO Box 392 Moorestown, NJ 08057-039 Tel: (856) 786-6900 FAX: (856) 786-0580	Crestline Industries 11436-B Cronridge Drive Owings Mills, MD 21117 Tel: 4107642444 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Andek Polaprime 2 Primer	Andek Corporation 850 Glen Ave, PO Box 392 Moorestown, NJ 08057-039 Tel: (856) 786-6900 FAX: (856) 786-0580	Crestline Industries 11436-B Cronridge Drive Owings Mills, MD 21117 Tel: 4107642444 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Andek Polaseal E.F.M Fire Retardant/Sealer (Clear)	Andek Corporation 850 Glen Ave, PO Box 392 Moorestown, NJ 08057-039 Tel: (856) 786-6900 FAX: (856) 786-0580	Crestline Industries 11436-B Cronridge Drive Owings Mills, MD 21117 Tel: 4107642444 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Nochar Fire Preventor (NFP) Penetrant (Clear)	Nochar Inc. 8650 Commerce Park Indianapolis, IN 46268 Tel: (317) 613-3046 FAX: (317) 613-3052	Crestline Industries 11436-B Cronridge Drive Owings Mills, MD 21117 Tel: 4107642444 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.08(a), Polyurea Pavement Marking

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
6180 MFUA-12 White Polyurea Two Component Pavement	Swarco/Colorado Paint Co 4747 Holly Street Denver, CO 80216 Tel: (303) 388-9265 FAX: (303) 388-0881	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Two part polyurea.
HPS-5 Polyurea White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Two part polyurea.
HPS-5 Polyurea Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Two part polyurea.
LPM Series 5000	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Two part polyurea.
LS-90	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: (856) 667-8399 FAX: (856) 779-2963	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: 800-822-6920 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.08(a), Polyurea Pavement Marking

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
MARK 75.4	POLY-CARB, Inc. 125 GNS Court Roberta, GA 31078 Tel: (478) 836-3011 FAX: (440) 248-1513	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Two part polyurea.

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Material Spec. No.: 708.08(c), Epoxy Paint

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
HPS-3 Epoxy White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HPS-3 Epoxy Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
LS 65	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: (856) 667-8399 FAX: (856) 779-2963	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: 800-822-6920 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
LS 65qs	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: (856) 667-8399 FAX: (856) 779-2963	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: 800-822-6920 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
LS-50	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: (856) 667-8399 FAX: (856) 779-2963	Epoplex 1000 East Park Avenue Maple Shade, NJ 08052 Tel: 800-822-6920 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.08(c), Epoxy Paint

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
TM8212 Hotline White Epoxy Pavement Marking Paint	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
TM8215 Hotline Yellow Epoxy Pavement Marking Paint	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.08(e), Methyl-Methacrylate Paint

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
5030 White Swarcoplast Structured MMA	Swarco/Colorado Paint Co 4747 Holly Street Denver, CO 80216 Tel: (303) 388-9265 FAX: (303) 388-0881	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (c) Structured Markings.
5036 Yellow Structured MMA	Swarco/Colorado Paint Co 4747 Holly Street Denver, CO 80216 Tel: (303) 388-9265 FAX: (303) 388-0881	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (c) Structured Markings.
5070 White Swarcoplast Flat MMA	Swarco/Colorado Paint Co 4747 Holly Street Denver, CO 80216 Tel: (303) 388-9265 FAX: (303) 388-0881	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (b) Extruded Markings.
5076 Yellow Swarcoplast Flat MMA	Swarco/Colorado Paint Co 4747 Holly Street Denver, CO 80216 Tel: (303) 388-9265 FAX: (303) 388-0881	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (b) Extruded Markings.
5090 White Swarcoplast Thin Film MMA	Swarco/Colorado Paint Co 4747 Holly Street Denver, CO 80216 Tel: (303) 388-9265 FAX: (303) 388-0881	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (a) Spray Applied Markings.

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Material Spec. No.: 708.08(e), Methyl-Methacrylate Paint

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
5096 Yellow Swarcoplast Thin Film MMA	Swarco/Colorado Paint Co 4747 Holly Street Denver, CO 80216 Tel: (303) 388-9265 FAX: (303) 388-0881	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (a) Spray Applied Markings.
6002W982A White Thin Film Spray MMA Pavement Marking	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (a) Spray Applied Markings.
6003Y982A Yellow Thin Film Spray MMA Pavement Marking	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (a) Spray Applied Markings.
7002W982A White Extrude MMA Pavement Marking	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (b) Extruded Markings.
7003Y982A Yellow Extrude MMA Pavement Marking	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (b) Extruded Markings.

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Material Spec. No.: 708.08(e), Methyl-Methacrylate Paint

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
9000W982A White Texture MMA Pavement Marking	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (c) Structured Markings.
9001Y982A Yellow Texture MMA Pavement Marking	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (c) Structured Markings.
HPS-6 Extrude MMA White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (b) Extruded Markings.
HPS-6 Extrude MMA Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (b) Extruded Markings.
HPS-6 Spray MMA White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (a) Spray Applied Markings.

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Material Spec. No.: 708.08(e), Methyl-Methacrylate Paint

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
HPS-6 Spray MMA Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (a) Spray Applied Markings.
HPS-7 Structured MMA White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (c) Structured Markings.
HPS-7 Structured MMA Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used in conjunction with 646.07 (1) - (c) Structured Markings.

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Material Spec. No.: 708.09(b), Premium Optics

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M Dry Elements	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic Drop-On Rate: For all durable marking types: Pounds per 4 inch linear foot: 0.022 lbs. Pounds per mile, 4 inch width: 116.4 lbs. Grams per 4 inch linear foot: 10 grams per 4 inch linear foot. If you have questions, please contact Matt Marsolais at 518 410 1648.
Duralux Glass Beads	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic Drop On Rate: 10 lbs/gallon.
Megalux Glass Beads	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic Drop On Rate: 12 lbs/gallon.
Plus 9 Beads	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic drop on rate: 12 lbs/gallon.

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Material Spec. No.: 708.09(b), Premium Optics

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
Ultra 1.9	Potters Industries, LLC. PO Box 841 Valley Forge, PA 19482 Tel: (610) 651-4732 FAX: (610) 408-9723	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic Drop-On Rates: For markings applied at 18-22 mil thicknesses in single drop applications, Ultra 1.9 shall be applied at the rate of 15lbs/100 sq. ft. Structured MMA may require 10-15 lbs/100 sq. ft. For markings applied at 18-22 mil thicknesses in double drop applications, Ultra 1.9 shall be applied at the rate of 8 lbs/100 sq. ft. If you have questions please contact Chris Davies at 610-651-4660.
Utah Blend Beads	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic Drop On Rate: Please contact John Giordano at 973-751-3697.
Visibead Plus II	Potters Industries, LLC. PO Box 841 Valley Forge, PA 19482 Tel: (610) 651-4732 FAX: (610) 408-9723	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic Drop On Rate: Please contact Chris Davies at 610-651-4660.
VisiLok	Potters Industries, LLC. PO Box 841 Valley Forge, PA 19482 Tel: (610) 651-4732 FAX: (610) 408-9723	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Drying agent. To be used in waterborne paint only. Please contact Bill Ahearn at 802-828-3751 when used.

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Material Spec. No.: 708.09(c), Wet Recoverable and Wet Reflective Optics

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M All Weather Elements	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Wet Recoverable and Wet Reflective Optics. Optic Drop-On Rate: Pounds per 4 inch linear foot: 0.022 lbs. Pounds per mile, 4 inch width: 116.4 lbs. Grams per 4 inch linear foot: 10 grams per 4 inch linear foot. If you have questions, please contact Matt Marsolais at 518 410 1648.
Plus 9 Spots	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Optic drop on rate: 4 lbs/gallon.
Visimax	Potters Industries, LLC. PO Box 841 Valley Forge, PA 19482 Tel: (610) 651-4732 FAX: (610) 408-9723	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Wet Recoverable Optics, Optic Drop-On Rates: For markings applied at 22-26 mil thicknesses in single drop applications, Visimax shall be applied at the rate of 12 lbs/100 sq. ft. for epoxy, polyurea, structured MMA, extruded MMA, and spray applied MMA. For thermoplastic markings, Visimax shall be applied at 8 lbs/100 sq. ft. For markings applied at 22-26 mil thicknesses in double drop applications, Visimax shall be applied at the rate of 8 lbs/100 sq. ft. for epoxy, polyurea, structured MMA, extruded MMA, and spray applied MMA. For thermoplastic markings, Visimax shall be applied at 4 lbs/100 sq. ft. If you have questions please contact Chris Davies at 610-651-4660.

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Material Spec. No.: 708.10(a), Thermoplastic Pavement Marking, Type A

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
19% Melt Down Thermoplastic	Franklin Paint Company Inc 259 Cottage St. Franklin, MA 02038 Tel: (800) 486-0304 FAX: (508) 528-8152	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
22% Melt Down Thermoplastic	Franklin Paint Company Inc 259 Cottage St. Franklin, MA 02038 Tel: (800) 486-0304 FAX: (508) 528-8152	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
3M All Weather Thermoplastic	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Catatherm 308 Alkyd Thermo White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.
Catatherm 308 Alkyd Thermo Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.

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Material Spec. No.: 708.10(a), Thermoplastic Pavement Marking, Type A

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Catatherm Hydro Thermoplastic White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.
Catatherm Hydro Thermoplastic Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.
Ecotherm Yellow Alkyd Thermoplastic	Crown Technology LLC PO Box 789 Woodbury, GA 30293 Tel: (706) 553-9500 FAX: (706) 553-9501	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.
Ecotherm Yellow Hydrocarbon Thermoplastic	Crown Technology LLC PO Box 789 Woodbury, GA 30293 Tel: (706) 553-9500 FAX: (706) 553-9501	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.
Pavemark Alkyd Thermoplastic White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.

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Material Spec. No.: 708.10(a), Thermoplastic Pavement Marking, Type A

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Pavemark Alkyd Thermoplastic Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.
Smart Mark Alkyd W1X3536	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.
Smart Mark Alkyd Y1X3506	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.
Smart Mark W2X3536	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.
Smart Mark Y2X3506	The Sherwin-Williams Company 101 Prospect Ave NW 720 Cleveland, OH 44115 Tel: (800) 597-2929 FAX: (216) 774-1875	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.

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Material Spec. No.: 708.10(a), Thermoplastic Pavement Marking, Type A

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Stud-Gard SG-70 Thermoplastic White	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.
Stud-Gard SG-70 Thermoplastic Yellow	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.
Swarcotherm with Alkyd Binder	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders for thermoplastic are recommended for urban and high traffic locations.
Swarcotherm with Hydrocarbon Binder	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.
Tuffline White Alkyd Thermoplastic	Crown Technology LLC PO Box 789 Woodbury, GA 30293 Tel: (706) 553-9500 FAX: (706) 553-9501	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Alkyd binders are generally recommended for urban and high traffic locations.

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Material Spec. No.: 708.10(a), Thermoplastic Pavement Marking, Type A

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Tuffline White Hydrocarbon Thermoplastic	Crown Technology LLC PO Box 789 Woodbury, GA 30293 Tel: (706) 553-9500 FAX: (706) 553-9501	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Hydrocarbon binders for thermoplastic are recommended for long-line, skip lines, and edge-line locations with non-stationary traffic.

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Material Spec. No.: 708.10(b), Thermoplastic Pavement Marking, Type B

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Preformed Thermoplastic White	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	For use as letters and symbols. For use in 90 mil or 125 mil applications.
Premark	Ennis-Flint 115 Todd Court Thomasville, NC 27360 Tel: (336) 475-6600 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	For use as letters and symbols.
VisiTape	Ozark Materials, LLC 591 Glendale Ave. Greenville, AL 36037 Tel: (334) 213-2995 FAX: (610) 825-1421	Potters Industries, LLC 300 Lindenwood Dr. Malvern, PA 19355 Tel: 800-552-3237 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Approved products listing

Material Spec. No.: 708.12(a), Permanent Pavement Marking Tape, Type A-High Performanc **Certification required:** None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M Stamark High Performance Tape Series 380 AW	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
3M Stamark High Performance Tape Series 380 IES	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Originally approved as "3M Stamark High Performance Tape Series 380 and 380I"
ATM 400 Extended Grade Tape	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: (252) 536-2574 FAX: (252) 536-4940	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: 252-536-2574 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Use restricted to well-lit areas, including intersections.
Brite-Line 1000, Non-Removable Pavement Marking Tape	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Deltaline XRP Profiled Tape	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.12(a), Permanent Pavement Marking Tape, Type A-High Performanc **Certification required:** None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Director 60 HPT	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.12(b), Permanent Pavement Marking Tape, Type B

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M Stamark High Performance Tape Series 380 AW	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
3M Stamark High Performance Tape Series 380 IES	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
3M Stamark Pavement Marking Tape Series 270 ES	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
ATM 300 Durable Grade Tape	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: (252) 536-2574 FAX: (252) 536-4940	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Use restricted to well-lit areas, including intersections.
ATM 400 Extended Grade Tape	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: (252) 536-2574 FAX: (252) 536-4940	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.12(b), Permanent Pavement Marking Tape, Type B

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Brite-Line 1000, Non-Removable Pavement Marking Tape	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Deltaline XRP Profiled Tape	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Director 60	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Director 60 HPT	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.12(c), Permanent Pavement Marking Tape, Type C-Intersection

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Deltaline HDX (High Durability Intersection)	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	For use as intersection markings only.
Director 35	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Primary use at intersections and high volume traffic locations.

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Material Spec. No.: 708.12(d), Permanent Pavement Marking Tape, Type D- Letters and Sym **Certification required:** None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M Stamark High Performance Tape Series 380 AW	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
3M Stamark High Performance Tape Series 380 IES	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
3M Stamark Pavement Marking Tape Series 270 ES	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
ATM 300 Durable Grade Tape	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: (252) 536-2574 FAX: (252) 536-4940	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
ATM 400 Extended Grade Tape	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: (252) 536-2574 FAX: (252) 536-4940	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.12(d), Permanent Pavement Marking Tape, Type D- Letters and Sym **Certification required:** None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Brite-Line 1000, Non-Removable Pavement Marking Tape	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Deltaline HDX (High Durability Intersection)	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	For use as intersection markings only.
Deltaline XRP Profiled Tape	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Director 35	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Primary use at intersections and high volume traffic locations.
Director 60	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.12(d), Permanent Pavement Marking Tape, Type D- Letters and Sym **Certification required:** None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
Director 60 HPT	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.13(a), Line Striping Targets

Certification required: None **Const. section nos.:** 646

Product	Manufacturer	Distributor	Jurisdiction	Comments
APEX Model 932 Chip Seal/Overlay Markers	APEX Universal, Inc. 11033 Forest Pl Santa Fe Springs, CA 9067 Tel: (562) 944-8878 FAX: (562)944-2298	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Davidson TOM Type W-1 WZ	Pexco, LLC 3110 70th Ave East Tacoma, WA 98424 Tel: (877) 335-4635 FAX: (253) 284-8080	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Davidson TOM Type Y-2 WZ	Pexco, LLC 3110 70th Ave East Tacoma, WA 98424 Tel: (877) 335-4635 FAX: (253) 284-8080	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
TSP 150	TSP Plastics 302 Burns Lane Winter Haven, FL 33884 Tel: (863) 324-1661 FAX: (863) 324-1192	Sherry Sakko 302 Burns Lane Winter Haven, FL 33884 Tel: (863)324-1661 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.13(b), Raised Pavement Markers, Type II

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
Halftrack	Pexco, LLC 3110 70th Ave East Tacoma, WA 98424 Tel: (877) 335-4635 FAX: (253) 284-8080	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
RPM	Pexco, LLC 3110 70th Ave East Tacoma, WA 98424 Tel: (877) 335-4635 FAX: (253) 284-8080	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.13(c), Temporary Pavement Marking Tape

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M Stamark Wet Reflective Removable Tape Series 710	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
ATM 200 Construction Removable Grade Tape	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: (252) 536-2574 FAX: (252) 536-4940	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: 252-536-2574 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Recommended for projects up to one year.
Brite-Line Removable 100	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Deltaline TWR	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Director 2 Removable Marking Tape	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.13(c), Temporary Pavement Marking Tape

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
Flex-O-Line 200 - Foilback	Fol Tape, LLC 2025 Hitzert Ct Fenton, MO 63026 Tel: (888) 365-8273 FAX: (636) 343-1814	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Flex-O-Line 300 - Foilback	Fol Tape, LLC 2025 Hitzert Ct Fenton, MO 63026 Tel: (888) 365-8273 FAX: (636) 343-1814	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Visa-Line Construction Grade - Foilback	Swarco Industries, Inc. 270 Rutherford Lane Columbia, TN 38401 Tel: (931) 388-5900 FAX: (931) 388-4039	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 708.13(d), Pavement Marking Mask

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
3M Stamark Removable Black Line Mask 715	3M 3M Ctr Bldg 235-3W-52 St. Paul, MN 55144 Tel: (651) 733-2419 FAX: (651) 575-3055	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
ATM 280 Hide-A-Line	Advance Traffic Markings PO Box H Roanoke Rapids, NC 27870 Tel: (252) 536-2574 FAX: (252) 536-4940	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Deltaline BTR	Brite-Line Technologies, LLC 10660 East 51st Ave Denver, CO 80239 Tel: (303) 375-1293 FAX: (303) 375-8557	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Approved products listing

Material Spec. No.: 710.03, Corrugated Polyethylene Pipe

Certification required: None **Const. section nos.:** 601,605

Product	Manufacturer	Distributor	Jurisdiction	Comments
Eagle Corr PE	JM Eagle 5200 W. Century Blvd 10th Los Angeles, CA 90045 Tel: (310) 693-8200 FAX: (310) 693-8230	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Independ. Assurance (802)828-6912	
HDPE Pipe	Soleno, Inc. 1160 Rte. 133 CP 837 StJean sur Richelieu, QC J2 Tel: (450) 347-7855 FAX: (450) 347-7311	Soleno, Inc 1160 Route 133 Saint-Jean-Sur-Riche, QUE Tel: 450 347-7855 FAX: 450 347-7311	Main: Research (802)828-3751 Alt.: N/A	
HDPE Pipe	Soleno, Inc. 64 Northlane Road McAdam, NB E0H1K0 Tel: (450) 347-7855 FAX: (506) 784-1890	Soleno, Inc 1160 Route 133 Saint-Jean-Sur-Riche, QUE Tel: 450 347-7855 FAX: 450 347-7311	Main: Research (802)828-3751 Alt.: N/A	
HDPE Pipe	ADS/Hancor 12370 Jackson TR 172 Findlay, OH 45839 Tel: (614) 658-0126 FAX:	ADS/Hancor-Findlay, OH 12370 Jackson TR 172 Findlay, OH 45839 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HDPE Pipe	ADS/Hancor 58 Wyoming St Ludlow, MA 01056 Tel: (614) 658-0126 FAX:	ADS/Hancor-Ludlow, MA 58 Wyoming St Ludlow, MA 01056 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Approved products listing

Material Spec. No.: 710.03, Corrugated Polyethylene Pipe

Certification required: None **Const. section nos.:** 601,605

Product	Manufacturer	Distributor	Jurisdiction	Comments
HDPE Pipe	Lane Enterprises, Inc. 34 Strohm Rd. Shippensburg, PA 17257 Tel: (717) 532-5959 FAX: (717) 532-7997	Lane Enterprises, Inc 34 Strohm Rd. Shippensburg, PA 17257 Tel: 717 532-5959 FAX: 717 532-7997	Main: Research (802)828-3751 Alt.: N/A	
HDPE Pipe	ADS/Hancor 173 Industrial Park Road Muncy, PA 17756 Tel: (614) 658-0126 FAX:	ADS/Hancor-Muncy, PA 173 Industrial Park Road Muncy, PA 17756 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HDPE Pipe	ADS/Hancor 30 Precision Drive N Springfield, VT 05150 Tel: (614) 658-0126 FAX:	ADS/Hancor-N Springfield 30 Precision Drive North Springfield, VT 0515 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HDPE Plastic Pipe	Lane Enterprises, Inc. PO Box 1352 Wytheville, VA 24382 Tel: (717) 532-5959 FAX: (717) 532-7997	Lane Enterprises, Inc. 510 Kents Lane Wytheville, VA 24382 Tel: 2762231051 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 710.07, Corrugated Polypropylene Pipe

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
N-12 HP/Sanitite HP	ADS/Hancor 173 Industrial Park Road Muncy, PA 17756 Tel: (614) 658-0126 FAX:	ADS/Hancor-Muncy, PA 173 Industrial Park Road Muncy, PA 17756 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
N-12 HP/Sanitite HP	ADS/Hancor 12370 Jackson TR 172 Findlay, OH 45839 Tel: (614) 658-0126 FAX:	ADS/Hancor-Findlay, OH 12370 Jackson TR 172 Findlay, OH 45839 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
N-12 HP/Sanitite HP	ADS/Hancor 3113 W. Old Lincoln Way Wooster, OH 44691 Tel: (614) 658-0126 FAX:	ADS/Hancor-Wooster, OH 3113 W. Old Lincoln Way Wooster, OH 44691 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
N-12 HP/SaniTite HP	ADS/Hancor 1600 Industrial Drive Mendota, IL 61342 Tel: (614) 658-0126 FAX:	ADS/Hancor-Mendota, IL 1600 Industrial Drive Mendota, IL 61342 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
N-12 HP/SaniTite HP	ADS/Hancor 30 Precision Drive N Springfield, VT 05150 Tel: (614) 658-0126 FAX:	ADS/Hancor-N Springfield 30 Precision Drive North Springfield, VT 0515 Tel: 6038289253 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Approved products listing

Material Spec. No.: 720.05, Prefabricated Check Dams

Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
Compost Filter Socks	Filtrexx International 35481 Grafton Eastern Rd. Grafton, OH 44044 Tel: (440) 926-2607 FAX: (440) 926-4021	Northeast Env Solutions 577 West St PO Box 507 Amherst, MA 01004 Tel: 413-256-0877 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Curlex Sediment Logs	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	American Excelsior Co. 831 Pioneer Ave. Rice Lake, WI 54868 Tel: 715 234-6861 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Georidge	Nilex Environmental Inc. 15171 E Fremont Dr. Centennial, CO 80112 Tel: (303) 766-2000 FAX: (303) 766-1110	W.H. Shurtleff Co Five Industry Rd. South Portland, ME Tel: 207 774-8531 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Georidge Bio	Nilex Environmental Inc. 15171 E Fremont Dr. Centennial, CO 80112 Tel: (303) 766-2000 FAX: (303) 766-1110	EJ Prescott PO Box 600 Gardiner, ME 04345 Tel: 207-582-1851 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Approved products listing

Material Spec. No.: 720.06, Inlet Protection Device, Type II

Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
Compost Filter Socks	US Silt and Site Supply Corp PO Box 2461 Concord, NH 03302 Tel: (603) 225-4600 FAX: (603) 228-4604	Northeast Env Solutions 577 West St PO Box 507 Amherst, MA 01004 Tel: 413-256-0877 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Curlex Sediment Logs	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	American Excelsior Co. 831 Pioneer Ave. Rice Lake, WI 54868 Tel: 715 234-6861 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Dandy Bag	Dandy Products, Inc. PO Box 1680 Powell, OH 43065-1680 Tel: (800) 591-2284 FAX: (740) 881-2791	Dandy Products, Inc. PO Box 1980 Westerville, OH 43083 Tel: 800 591-2284 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Dandy Curb	Dandy Products, Inc. PO Box 1680 Powell, OH 43065-1680 Tel: (800) 591-2284 FAX: (740) 881-2791	Dandy Products, Inc. PO Box 1980 Westerville, OH 43083 Tel: 800 591-2284 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Dandy Curb Bag	Dandy Products, Inc. PO Box 1680 Powell, OH 43065-1680 Tel: (800) 591-2284 FAX: (740) 881-2791	Dandy Products, Inc. PO Box 1980 Westerville, OH 43083 Tel: 800 591-2284 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Material Spec. No.: 720.06, Inlet Protection Device, Type II

Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
Dandy Sack	Dandy Products, Inc. PO Box 1680 Powell, OH 43065-1680 Tel: (800) 591-2284 FAX: (740) 881-2791	Dandy Products, Inc. PO Box 1980 Westerville, OH 43083 Tel: 800 591-2284 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
FLEXSTORM Inlet Filters	Inlet and Pipe Protection, Inc 24137 W. 111th St, Unit A Naperville, IL 60564 Tel: (866) 287-8655 FAX: (630) 355-3477	Advanced Drainage Systems 4640 Trueman Blvd. Hillard, OH 43026 Tel: 614 658-0250 FAX: 614 658-0203	Main: Research (802)828-3751 Alt.: N/A	
Siltsack	ACF Environmental 2831 Cardwell Rd. Richmond, VA 23234 Tel: (804) 271-2363 FAX: (804) 271-3074	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
VertiPro	Enviroscape ECM Ltd. 300 S Chestnut Street Deshler, OH 43516 Tel: (419) 278-2000 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 720.07, Filter Bags

Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
Dirtbag	ACF Environmental 2831 Cardwell Rd. Richmond, VA 23234 Tel: (804) 271-2363 FAX: (804) 271-3074	ACF Environmental 25 Progress Avenue Nashua, NH 03062 Tel: 8004483636 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Filter Bags	US Silt and Site Supply Corp PO Box 2461 Concord, NH 03302 Tel: (603) 225-4600 FAX: (603) 228-4604	EJ Prescott 2318 Airport Rd Barre, VT 05641 Tel: 802-213-2385 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Approved products listing

Material Spec. No.: 725.01(d), Liquid Membrane Forming Compounds

Certification required: None **Const. section nos.:** 501,616

Product	Manufacturer	Distributor	Jurisdiction	Comments
Clear Dissipating Cure EF	Dayton Superior Corp. 1125 Byers Road Miamisburg, OH 45342 Tel: (937) 865-9182 FAX: (913) 371-3330	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Approved for use on sidewalks or curbs only. Please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Clear Resin Cure J11W	Dayton Superior Corp. 1125 Byers Road Miamisburg, OH 45342 Tel: (937) 865-9182 FAX: (913) 371-3330	Barker Steel Co. Inc. US Rte 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: 603-632-6066	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Harris Kurseal 309	Vexcon Chemicals, Inc. 7240 State Rd Philadelphia, PA 19135 Tel: (215) 332-7709 FAX: (215) 332-9997	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Harris Kurseal 800 White	Vexcon Chemicals, Inc. 7240 State Rd Philadelphia, PA 19135 Tel: (215) 332-7709 FAX: (215) 332-9997	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
SEALTIGHT 1100- Clear Concrete Curing Compound	W.R. Meadows of PA PO Box 7550 York, PA 17404 Tel: (717) 792-2627 FAX: (717) 792-0151	W.R. Meadows of PA P.O. Box 7550 York, PA 17404 Tel: 717-792-2627 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Approved products listing

Material Spec. No.: 725.01(d), Liquid Membrane Forming Compounds

Certification required: None **Const. section nos.:** 501,616

Product	Manufacturer	Distributor	Jurisdiction	Comments
Thinfilm 420	Kaufman Products, Inc. 3811 Curtis Ave Baltimore, MD 21226 Tel: (800) 637-6372 FAX: (410) 354-1122	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
Thinfilm 450	Kaufman Products, Inc. 3811 Curtis Ave Baltimore, MD 21226 Tel: (800) 637-6372 FAX: (410) 354-1122	None , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
White Resin Cure J10W	Dayton Superior Corp. 1125 Byers Road Miamisburg, OH 45342 Tel: (937) 865-9182 FAX: (913) 371-3330	Barker Steel Co. Inc. US Rte 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: 603-632-6066	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Approved products listing

Material Spec. No.: 725.02(b), Air-Entraining Admixtures

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
Daravair AT30	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Daravair AT60	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Darex II AEA	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Eucon Air-Mix	The Euclid Chemical Co. 19320 Redwood Rd Cleveland, OH 44110-2799 Tel: (216) 692-8305 FAX: (216) 531-9399	Trowel Trades 71 Troy Avenue Colchester, VT 05446 Tel: (802)655-3166 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
MasterAir AE 200	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Micro Air.

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Material Spec. No.: 725.02(b), Air-Entraining Admixtures

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
MasterAir AE 90	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly MB AE 90
MasterAir VR 10	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly MB-VR Standard.
Sika AEA-14	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Does not require any recirculation when stored in bulk storage tanks, if they are stored within the temperature range as mentioned on the product data sheets of the respective admixtures and the admixtures are within the shelf life period.

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Material Spec. No.: 725.02(c), Retarding Admixtures

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
Daratard 17	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Eucon Retarder 75	The Euclid Chemical Co. 19320 Redwood Rd Cleveland, OH 44110-2799 Tel: (216) 692-8305 FAX: (216) 531-9399	Trowel Trades 71 Troy Avenue Colchester, VT 05446 Tel: (802)655-3166 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
MasterSet R 100	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Pozzololith 100 XR.
MasterSet R 961	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Pozzololith 961 R.
Plastiment	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	Bright-Line Technologies 104 Revere St. Canton, MA 02021 Tel: (888)201-6448 FAX: (888)208-0758	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Does not require any recirculation when stored in bulk storage tanks, if they are stored within the temperature range as mentioned on the product data sheets of the respective admixtures and the admixtures are within the shelf life period.

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Material Spec. No.: 725.02(c), Retarding Admixtures

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
Plastocrete 161	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
RECOVER	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
SikaTard 440	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
ZYLA R	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Approved products listing

Material Spec. No.: 725.02(f), Water Reducing Admixture

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
Adva 190	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
ADVA 405	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Eucon 37 - Type-F	The Euclid Chemical Co. 19320 Redwood Rd Cleveland, OH 44110-2799 Tel: (216) 692-8305 FAX: (216) 531-9399	Trowel Trades 71 Troy Avenue Colchester, VT 05446 Tel: (802)655-3166 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Master Glenium 7500	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Glenium 7500.
MasterGlenium 3030	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Glenium 3030 NS.

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Approved products listing

Material Spec. No.: 725.02(f), Water Reducing Admixture

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
MasterPozzoloth 200	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Pozzoloth 200N.
MasterPozzoloth 322	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Pozzoloth 322N.
Plastocrete 161	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Sika ViscoCrete 1000	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
SikaPlast 500	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Does not require any recirculation when stored in bulk storage tanks, if they are stored within the temperature range as mentioned on the product data sheets of the respective admixtures and the admixtures are within the shelf life period.

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Material Spec. No.: 725.02(f), Water Reducing Admixture

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
WRDA w/ Hycol	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Material Spec. No.: 725.02(g), Water Reducing and Retarding Admixture

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
MasterPolyheed 997	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Polyheed 997.

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Material Spec. No.: 725.02(h), High Range Water Reducing Admixture

Certification required: None **Const. section nos.:** 501,510,616

Product	Manufacturer	Distributor	Jurisdiction	Comments
ADVA 140M	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Recommended for use in precast applications or in Silica Fume Concrete under the direction of the Materials and Research Division. Use only when mix design has been approved by the Structural Concrete Engineer. The change to this product is a lower PH range from the previously tested and approved version.
Adva 190	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Adva 195	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Eucon 37	The Euclid Chemical Co. 19320 Redwood Rd Cleveland, OH 44110-2799 Tel: (216) 692-8305 FAX: (216) 531-9399	Trowel Trades 71 Troy Avenue Colchester, VT 05446 Tel: (802)655-3166 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Recommended for use in precast applications or in Silica Fume Concrete under the direction of the Materials and Research Division. Use only when mix design has been approved by the Structural Concrete Engineer.
Master Glenium 7500	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Glenium 7500.

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Material Spec. No.: 725.02(h), High Range Water Reducing Admixture

Certification required: None **Const. section nos.:** 501,510,616

Product	Manufacturer	Distributor	Jurisdiction	Comments
MasterGlenium 3400	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Glenium 3400 NV.
MasterRheobuild 1000	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Rheobuild 1000.
Sika ViscoCrete 1000	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.PPAIDResearchSection@vermont.gov when used.
Sika ViscoCrete 6100	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
SikaPlast 500	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Approved products listing

Material Spec. No.: 725.02(h), High Range Water Reducing Admixture

Certification required: None **Const. section nos.:** 501,510,616

Product	Manufacturer	Distributor	Jurisdiction	Comments
V-Mar 3	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Only to be used with Adva Cast 530 and 540 in S.C.C.

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Material Spec. No.: 725.02(j), Accelerating Admixture

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
Darex Corrosion Inhibitor (DCI)	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Qualifies under AASHTO M194, Type C admixture although not intended for use as an accelerator. Contact Structural Concrete section for addition rate. Intended use as a corrosion inhibitor.
MasterLife CI 30	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Rheocrete CNI.
MasterSet FP 20	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF Admixtures Inc David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Pozzutec 20+.
PolarSet (Accelerating Admixture)	W.R. Grace & Co. 62 Whittemore Avenue Cambridge, MA 02140 Tel: (617) 498-4816 FAX: (617) 234-7576	W.R. Grace and Co.- Conn. 62 Whittemore Ave. Cambridge, MA 02140-169 Tel: (617)498-4555 FAX: (617)234-7576	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
Sika CNI	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Approved products listing

Material Spec. No.: 725.02(j), Accelerating Admixture

Certification required: None **Const. section nos.:** 501,510

Product	Manufacturer	Distributor	Jurisdiction	Comments
SikaSet NC	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Does not require any recirculation when stored in bulk storage tanks, if they are stored within the temperature range as mentioned on the product data sheets of the respective admixtures and the admixtures are within the shelf life period.

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Material Spec. No.: 725.02(k), Water-Reducing and Accelerating Admixtures

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
SikaSet NC	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Material Spec. No.: 725.02(1), Specific Performance Admixtures

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
MasterSure Z 60	BASF Const. Chemicals, LLC 23700 Chagrin Blvd Cleveland, OH 44122 Tel: (216) 839-7500 FAX:	BASF David Dodier , Tel: 603-365-1507 FAX: N/A	Main: Research (802)828-3751 Alt.: Research (802)828-3751	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used. Formerly RheoTEC Z 60.

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Material Spec. No.: 726.10, Concrete Staining and Sealing Systems

Certification required: None **Const. section nos.:** 540.11A

Product	Manufacturer	Distributor	Jurisdiction	Comments
H&C Super V	Sherwin-Williams 134 Oakdale Drive Zelienople, PA 16063 Tel: (724) 272-0082 FAX: (724) 453-1042	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Product is to be used with a staining system from the same manufacturer, under their recommendations. Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
TK-292 H.D. Tri Siloxane	TK Products 11400 West 47th St Minnetonka, MN 55343 Tel: (800) 441-2129 FAX: (952) 938-8084	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Product is to be used with a staining system from the same manufacturer, under their recommendations. Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Material Spec. No.: 726.11, Sheet Membrane Waterproofing, Preformed Sheet

Certification required: None **Const. section nos.:** 519

Product	Manufacturer	Distributor	Jurisdiction	Comments
Chase/Royston 10AN Easy Pave	Chase Corporation 295 University Avenue Westwood, MA 02090 Tel: (781) 332-0700 FAX: (781) 332-0702	None 69 Concord Ave. St. Johnsbury, VT 05819 Tel: 802-748-4378 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	The following liquid membranes are approved for use with this product: Royston 163-99 ATG, Royston JS 160-H, Gaco LM60. Adhesives: Roybond 713A, 713B, 740, and 750
MEL-DEK Deck Waterproofing System	W.R. Meadows, Inc. P.O. Box 338 Hampshire, IL 60140-0338 Tel: (847) 214-2100 FAX: (847) 683-4544	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	
Polyguard 665 Membrane	Polyguard Products, Inc. P.O. Box 755 Ennis, TX 75120-0755 Tel: (214) 515-5043 FAX: (972) 875-9425	Polyguard Products, Inc P.O. Box 755 Ennis, TX 75120 Tel: 972-875-8421 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Approved only on project by project basis. The system requires the application of a tack coat on the surface of the membrane to insure adequate overlay bond. The following liquid membrane is approved for use with this product: Gaco LM60
Protecto Wrap M-400A	Protecto Wrap Company 1955 South Cherokee St. Denver, CO 80223 Tel: (303) 777-3001 FAX: (303) 777-9273	Protecto Wrap Co. 2255 South Delaware St. Denver, CO 80223 Tel: 303-777-3001 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	The following liquid membranes are approved for use with this product: Royston 163-99 ATG, Royston JS 160-H, Bituthene LM300, Gaco LM60
Royston Bridge Membrane - 104 AHT Membrane - Vertical	Chase Corporation 295 University Avenue Westwood, MA 02090 Tel: (781) 332-0700 FAX: (781) 332-0702	A.H. Harris 17 Plaza Heights Rd West Lebanon, NH 03784 Tel: 6032986072 FAX: 6032982135	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 728.01(d), Guard Rail Posts and Post Accessories - Alternate Blockouts **Certification required:** None **Const. section nos.:** 621

Product	Manufacturer	Distributor	Jurisdiction	Comments
Polymer Offset Blocks	Mondo Polymer Technologies P.O. Box 250 Reno, OH 45773 Tel: (888) 607-4790 FAX: (740) 376-9960	Mondo Polymer Tech., Inc. P.O. Box 250 Reno, OH 45773 Tel: (888)607-4790 FAX: (740)376-9960	Main: Research (802)828-3751 Alt.: N/A	Recycled Polyethylene. Acceptable for use on steel post guard rail systems installed on the National Highway System per FHWA letter of 03/27/2002.

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Material Spec. No.: 728.06, Manufactured Terminal Sections

Certification required: None **Const. section nos.:** 621

Product	Manufacturer	Distributor	Jurisdiction	Comments
BEAT	Road Systems Inc P.O. Box 2163 Big Spring, TX 79721 Tel: (432) 263-2435 FAX: (432) 267-4039	Gregory Highway Products 4100 13th Street, SW Canton, OH 44710 Tel: 3304774800 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	End terminal for 6x6 or 6x8 box beam barriers. Acceptable for use at NCHRP Test Level 3 (crash tested at 62.5 MPH) per FHWA letter of 11/09/2000. To be used in Box Beam Guardrail applications only.
BEAT-MT	Road Systems Inc P.O. Box 2163 Big Spring, TX 79721 Tel: (432) 263-2435 FAX: (432) 267-4039	Gregory Highway Products 4100 13th Street, SW Canton, OH 44710 Tel: 3304774800 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	End terminal for 6x6 or 6x8 box beam median barrier. Acceptable for use at NCHRP Test Level 3 (crash tested at 62.5 MPH) per FHWA letter of 02/01/2002. To be used in Box Beam Guardrail applications only.
BEAT-SSCC	Road Systems Inc P.O. Box 2163 Big Spring, TX 79721 Tel: (432) 263-2435 FAX: (432) 267-4039	Gregory Highway Products 4100 13th Street, SW Canton, OH 44710 Tel: 3304774800 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Single-sided crash cushion for rigid barriers (concrete barriers, bridge abutments). Not suitable in areas where backside hits towards rigid barrier are possible or in narrow medians where opposite backside hits are likely. Acceptable for use at NCHRP Test Level 3 (crash tested at 62.5 MPH) per FHWA letter of 02/22/2002. To be used in Box Beam Guardrail applications only.
FLEAT	Road Systems Inc P.O. Box 2163 Big Spring, TX 79721 Tel: (432) 263-2435 FAX: (432) 267-4039	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Flared End Terminal. Acceptable for use at NCHRP Test Level 3 (crash tested at 62.5 MPH) per FHWA letter of 9/17/2008.

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Material Spec. No.: 728.06, Manufactured Terminal Sections

Certification required: None **Const. section nos.:** 621

Product	Manufacturer	Distributor	Jurisdiction	Comments
SKT-SP	Road Systems Inc P.O. Box 2163 Big Spring, TX 79721 Tel: (432) 263-2435 FAX: (432) 267-4039	Road Systems, Inc. 2183 Elm Trace Street Austintown, OH 44515 Tel: 330-799-9291 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Tangent End Terminal. Acceptable for use at NCHRP Test Level 3 per FHWA letter of 9/18/2008.
SRT-27SP	Trinity Highway Products, LLC 1170 North State Street Girard, OH 44420 Tel: (330) 539-7385 FAX: (330) 545-0538	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
X-Lite Guardrail End Terminal (Tangent/Flared)	Lindsay Trans. Solutions 180 River Rd Rio Vista, CA 94571 Tel: (707) 378-4239 FAX: (707) 374-6801	Lindsay Trans. Solutions 180 River Road Rio Vista, CA 94571 Tel: 724-991-8099 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
X-Tension Guardrail End Terminal	Lindsay Trans. Solutions 180 River Rd Rio Vista, CA 94571 Tel: (707) 378-4239 FAX: (707) 374-6801	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Flared or Tangent End Terminal. Acceptable for use at NCHRP Test Level 3 per FHWA letter of 11/05/2007.

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Material Spec. No.: 728.07, Energy Absorption Attenuators

Certification required: None **Const. section nos.:** 621

Product	Manufacturer	Distributor	Jurisdiction	Comments
Absorb 350 Crash Cushion	Lindsay Trans. Solutions 180 River Rd Rio Vista, CA 94571 Tel: (707) 378-4239 FAX: (707) 374-6801	NES Traffic Safety 55 Bodwell Street Avon, MA 02322 Tel: 508-580-6700 FAX: 413-273-5976	Main: Research (802)828-3751 Alt.: N/A	Non-Gating Energy Absorption Attenuator. Acceptable for use at NCHRP TL 2 (crash tested at 43.5 MPH) for permanent and temporary barriers, per FHWA letter of 06/27/2000. Acceptable for use at NCHRP TL 3 (crash tested at 62.5 MPH) for temporary barriers only, per FHWA letter of 05/11/2000.
CrashGard Sand Barrel System	Plastic Safety Systems Inc. 2444 Baldwin Rd Cleveland, OH 44104 Tel: (800) 662-6338 FAX: (216) 231-2702	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	For temporary work zones only. Non-Gating Energy Absorption Attenuator. Acceptable for use at NCHRP Test Level 3 per FHWA letter of 3/08/2007.
SCI 100GM	Work Area Protection Corp. 2500 Production Drive St. Charles, IL 60174-9081 Tel: (630) 377-9100 FAX: (630) 377-9270	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Non-Gating Energy Absorption Attenuator. Acceptable for use at NCHRP Test Level 3 (crash tested at 62.5 MPH) for permanent and temporary barriers, per FHWA letter of 09/12/2003.
Universal TAU II Crash Cushion	Lindsay Trans. Solutions 180 River Rd Rio Vista, CA 94571 Tel: (707) 378-4239 FAX: (707) 374-6801	NES Traffic Safety 55 Bodwell Street Avon, MA 02322 Tel: 508-580-6700 FAX: 413-273-5976	Main: Research (802)828-3751 Alt.: N/A	Non-Gating Energy Absorption Attenuator. Acceptable for use at NCHRP Test Level 3 (crash tested at 62.5 MPH) for permanent and temporary barriers, per FHWA letter of 09/14/2001.
X-Tension Median Attenuator System (X-MAS)	Lindsay Trans. Solutions 180 River Rd Rio Vista, CA 94571 Tel: (707) 378-4239 FAX: (707) 374-6801	Lindsay Trans. Solutions 180 River Road Rio Vista, CA 94571 Tel: 724-991-8099 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Material Spec. No.: 751.08, Detectable Warning Surface

Certification required: None **Const. section nos.:** 618

Product	Manufacturer	Distributor	Jurisdiction	Comments
Advantage Tactile Detectable Warning Surface Tile System	Advantage Tactile Systems, Inc 1104 Corporate Way Sacramento, CA 95831 Tel: (916) 361-6545 FAX: (916) 361-6546	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	No conditions - observe color contrast. Intended for installation when underlying material is concrete.
CAST-DWD	Pioneer Detectable, LLC N8060 Maple Street Ixonah, WI 53036 Tel: (262) 370-5355 FAX: (262) 560-1890	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	No conditions - observe color contrast. Intended for installation when underlying material is concrete.
Detectable Warning Plate R-4984-24Q	Neenah Foundry Company PO Box 729 Neenah, WI 54957-0729 Tel: (920) 729-4644 FAX: (920) 729-3827	SD Ireland PO Box 2286 Williston, VT 05495-0849 Tel: 802-863-5472 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	No conditions - observe color contrast. Intended for installation when underlying material is concrete.
DURALAST ®	EJ USA, Inc. PO Box 439 East Jordan, MI 49727-043 Tel: (330) 782-3900 FAX: (330) 781-1044	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	No conditions - observe color contrast. Intended for installation when underlying material is concrete.
Iron Dome	ADA Solutions, Inc. PO Box 3 North Billerica, MA 01862 Tel: (800) 372-0519 FAX: (978) 262-9125	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	No conditions - observe color contrast. Intended for installation when underlying material is concrete.

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Material Spec. No.: 751.08, Detectable Warning Surface

Certification required: None **Const. section nos.:** 618

Product	Manufacturer	Distributor	Jurisdiction	Comments
TufTile Cast Iron Tiles (Wet-Set)	TufTile, Inc. 1200 Flex Court Lake Zurich, IL 60047 Tel: (425) 761-6525 FAX: (847) 550-8004	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	No conditions - observe color contrast. Intended for installation when underlying material is concrete.

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Material Spec. No.: 755.07, Mycorrhizal Fungi Product

Certification required: None **Const. section nos.:** 656

Product	Manufacturer	Distributor	Jurisdiction	Comments
Root PHC Tree Saver	Lebanon Seaboard Corporation 1600 East Cumberland St Lebanon, PA 17042 Tel: (717) 273-1685 FAX: (717) 273-9466	Northern Nurseries US Route 5 White River Junction, VT 0 Tel: 802 295-2117 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Approved products listing

Material Spec. No.: 755.10(d), Mulch - Fiber

Certification required: None **Const. section nos.:** 654

Product	Manufacturer	Distributor	Jurisdiction	Comments
Bindex Blend	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	
Bindex Blend WT	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	
Bindex Wood	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	
Bindex Wood WT	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	
Conwed Fibers® Hydro Mulch® 1000 with TriFlo	Profile Products LLC 750 Lake Cook Rd Ste 440 Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	HydroGrass Corporation 266 Hartland Avenue. Pittsfield, ME 04967 Tel: 207-487-5366 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 755.10(d), Mulch - Fiber

Certification required: None **Const. section nos.:** 654

Product	Manufacturer	Distributor	Jurisdiction	Comments
Conwed Fibers® Hydro Mulch® 2000	Profile Products LLC 750 Lake Cook Rd Ste 440 Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	HydroGrass Corporation 266 Hartland Avenue. Pittsfield, ME 04967 Tel: 207-487-5366 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Enviro-Mix Wood Fiber Blend Mulch	Central Fiber 750 Lake Cook Rd. Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	NE Agricultural Sales 205 East St Lyndonville, VT 05851 Tel: 802-626-3351 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Excel Fibermulch II	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	American Excelsior Co. 831 Pioneer Ave. Rice Lake, WI 54868 Tel: 715 234-6861 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HydroStraw Bonded Fiber Matrix	Hydrostraw, LLC 22110 S. State Route 27 Rockford, WA 99030 Tel: (800) 545-1755 FAX: (509) 291-5656	Seedway, LLC 3442 Route 22A Shoreham, Vt 05770 Tel: 888-863-9099 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HydroStraw Guar Plus Formulation	Hydrostraw, LLC 22110 S. State Route 27 Rockford, WA 99030 Tel: (800) 545-1755 FAX: (509) 291-5656	Seedway, LLC 3442 Route 22A Shoreham, Vt 05770 Tel: 888-863-9099 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 755.10(d), Mulch - Fiber

Certification required: None **Const. section nos.:** 654

Product	Manufacturer	Distributor	Jurisdiction	Comments
Second Nature Wood Fiber Blend Mulch	Central Fiber 750 Lake Cook Rd. Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	L.D. Oliver Seed Co. 26 Sunset Avenue Milton, VT 05468 Tel: 802-893-1241 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Terra-Wood	Profile Products LLC 750 Lake Cook Rd Ste 440 Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	EJ Prescott 1235 Parkway S Burlington, VT 05404 Tel: 802-865-3958 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Terra-Wood with Tacking Agent 3®	Profile Products LLC 750 Lake Cook Rd Ste 440 Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	EJ Prescott 1235 Parkway S Burlington, VT 05404 Tel: 802-865-3958 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 755.10(e), Mulch - Hydraulic Matrix

Certification required: None **Const. section nos.:** 651

Product	Manufacturer	Distributor	Jurisdiction	Comments
Bindex BFM	American Excelsior Company 831 Pioneer Ave. Rice Lake, WI 54868 Tel: (715) 236-5643 FAX: (715) 236-5627	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	
EarthGuard Fiber Matrix	Terra Novo, Inc. PO Box 81916 Bakersfield, CA 93380 Tel: (518) 222-3916 FAX:	Manufacturer Terra Nova, PO Box 81916 Bakersfield, CA 93380 Tel: 661 392-9771 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Enviro-Matrix Bonded Fiber Matrix	Central Fiber 750 Lake Cook Rd. Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	NE Agricultural Sales 205 East St Lyndonville, VT 05851 Tel: 802-626-3351 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Flexterra HP-FGM	Profile Products LLC 750 Lake Cook Rd Ste 440 Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	HydroGrass Corporation 266 Hartland Avenue. Pittsfield, ME 04967 Tel: 207-487-5366 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Geo Perm Bonded Fiber Matrix	Hydrograss Technologies Inc. 157 Southbridge Rd. North Oxford, MA 01537 Tel: (508) 987-2221 FAX: (508) 987-8785	GeoEnvironmental, Inc. 157 Southbridge Rd N. Oxford, MA 01537 Tel: 508-987-3548 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 755.10(e), Mulch - Hydraulic Matrix

Certification required: None **Const. section nos.:** 651

Product	Manufacturer	Distributor	Jurisdiction	Comments
GeoMatrix	Hydrograss Technologies Inc. 157 Southbridge Rd. North Oxford, MA 01537 Tel: (508) 987-2221 FAX: (508) 987-8785	Hydrograss Technologies, 157 Southbridge Rd. North Oxford, MA 01537 Tel: 508 987-2221 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
GeoMatrix SS	Hydrograss Technologies Inc. 157 Southbridge Rd. North Oxford, MA 01537 Tel: (508) 987-2221 FAX: (508) 987-8785	Hydrograss Technologies, 157 Southbridge Rd. North Oxford, MA 01537 Tel: 508 987-2221 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
GroundControl HY-C4 Ult Perf Straw & Cotton Plant Mat Mulch	East Coast Erosion Blankets 443 Bricker Rd Bernville, PA 19506 Tel: (800) 582-4005 FAX:	US Construction Fabric 8 Ledge Rd Windham, NH 03087 Tel: 603-893-5480 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Full Name: Ground Control HY-C4 Ultra Performance Straw & Cotton Plant Material Mulch
Hydra CX Extreme Slope Matrix	Tensar North American Green 5401 St Wendel Cynthiana Poseyville, IN 47633 Tel: (800) 772-2040 FAX: (812) 867-0247	North American Green Inc. 14649 Hwy 41 North Evansville, IN 47725 Tel: 800 772-2040 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HydroStraw Original	Hydrostraw, LLC 22110 S. State Route 27 Rockford, WA 99030 Tel: (800) 545-1755 FAX: (509) 291-5656	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 755.10(e), Mulch - Hydraulic Matrix

Certification required: None **Const. section nos.:** 651

Product	Manufacturer	Distributor	Jurisdiction	Comments
ProMatrix - Engineered Fiber Matrix (EFM)	Profile Products LLC 750 Lake Cook Rd Ste 440 Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	EJ Prescott 1235 Parkway S Burlington, VT 05404 Tel: 802-865-3958 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
SprayMatt Bonded Fiber Matrix	Central Fiber 750 Lake Cook Rd. Buffalo Grove, IL 60089 Tel: (603) 760-2946 FAX:	L.D. Oliver Seed Co. 26 Sunset Avenue Milton, VT 05468 Tel: 802-893-1241 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 755.10(f), Mulch - Tackifier

Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
BIOSTAR CH	Hild & Associates, Inc. PO Box 523 Stillwater, MN 54022 Tel: (715) 426-5131 FAX:	Hild & Associates, Inc. 326 S.Glover Rd. City River Falls, WI 54022 Tel: 715 426 5131 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
EnviroPam	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: (513) 317-8311 FAX: (513) 672-9633	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: 513-317-8311 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Formerly HydraPam.
FI-1045	JRM Chemical, Inc. 4881 NEO Pkwy Cleveland, OH 44128 Tel: (216) 475-8488 FAX: (216) 475-6517	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used as either a tackifier or a flocculant.
FI-1046	JRM Chemical, Inc. 4881 NEO Pkwy Cleveland, OH 44128 Tel: (216) 475-8488 FAX: (216) 475-6517	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used as either a tackifier or a flocculant.
FI-3500 Tablets	JRM Chemical, Inc. 4881 NEO Pkwy Cleveland, OH 44128 Tel: (216) 475-8488 FAX: (216) 475-6517	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	To be used as a flocculant only.

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Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
FiberRX	Hydrostraw, LLC 22110 S. State Route 27 Rockford, WA 99030 Tel: (800) 545-1755 FAX: (509) 291-5656	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Floc Log	Applied Polymer Systems, Inc. 519 Industrial Dr. Woodstock, GA 30189 Tel: (678) 494-5998 FAX: (678) 494-5298	Applied Polymer Systems 519 industrial Dr. Woodstock, GA 30189 Tel: 678 494-5998 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HF5000 Tack	Rantec Corporation 3318 Glenmont Lane Cincinnati, OH 45248 Tel: (513) 317-8311 FAX: (513) 672-9633	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: 513-317-8311 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
HydraTack	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: (513) 317-8311 FAX: (513) 672-9633	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: 513-317-8311 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Formerly LandTack Guar
HydraTack P Plus	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: (513) 317-8311 FAX: (513) 672-9633	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: 513-317-8311 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Formerly LandTack Guar Q-3 Plus

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Material Spec. No.: 755.10(f), Mulch - Tackifier

Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
HydraTack Plus	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: (513) 317-8311 FAX: (513) 672-9633	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: 513-317-8311 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Formerly LandTack Guar Q-3.
Silt Stop 600 Emulsions	Applied Polymer Systems, Inc. 519 Industrial Dr. Woodstock, GA 30189 Tel: (678) 494-5998 FAX: (678) 494-5298	Applied Polymer Systems 519 industrial Dr. Woodstock, GA 30189 Tel: 678 494-5998 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
Silt Stop 700 Powders	Applied Polymer Systems, Inc. 519 Industrial Dr. Woodstock, GA 30189 Tel: (678) 494-5998 FAX: (678) 494-5298	Applied Polymer Systems 519 industrial Dr. Woodstock, GA 30189 Tel: 678 494-5998 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
StarTak 100	ChemStar Products 3232 East 40th Street Minneapolis, MN 55406-32 Tel: (612) 722-0079 FAX: (612) 722-2479	ChemStar Products 3915 Hiawatha Ave. Minneapolis, MN 55406 Tel: 612 722-0079 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	
StarTak 600	ChemStar Products 3232 East 40th Street Minneapolis, MN 55406-32 Tel: (612) 722-0079 FAX: (612) 722-2479	ChemStar Products 3915 Hiawatha Ave. Minneapolis, MN 55406 Tel: 612 722-0079 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

Please submit a TA 556 form to the Materials Acceptance Program – Certification Unit of the Construction and Materials Bureau upon use of any APL product.

Please contact the Vermont AOT Research Section with any questions regarding the APL at AOT.ResearchSection@Vermont.gov.

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Approved products listing

Material Spec. No.: 755.10(f), Mulch - Tackifier

Certification required: None **Const. section nos.:** 653

Product	Manufacturer	Distributor	Jurisdiction	Comments
Tack Plus	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: (513) 317-8311 FAX: (513) 672-9633	Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248 Tel: 513-317-8311 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Material Spec. No.: 755.16, Tree Watering Bags

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
Treegator Jr. Pro	Spectrum Products Inc. 153 Mosswood Blvd Youngsville, NC 27596 Tel: (919) 556-7797 FAX: (919) 556-9852	Northern Nurseries US Route 5 White River Junction, VT 0 Tel: 802 295-2117 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Find Local Dealers at www.Treegator.com
Treegator Original	Spectrum Products Inc. 153 Mosswood Blvd Youngsville, NC 27596 Tel: (919) 556-7797 FAX: (919) 556-9852	Northern Nurseries US Route 5 White River Junction, VT 0 Tel: 802 295-2117 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Find Local Dealers at www.Treegator.com

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Approved products listing

Material Spec. No.: 780.02, Overhead and Vertical Concrete Repair Material

Certification required: None **Const. section nos.:** 580

Product	Manufacturer	Distributor	Jurisdiction	Comments
Five Star Structural Concrete V/O	Five Star Products, Inc. 60 Parrott Drive Shelton, CT 06484-4733 Tel: (800) 336-7908 FAX: (203) 336-7930	Barker Steel Co. Inc. US RT. 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: (603)632-6066	Main: Research (802)828-3751 Alt.: N/A	If matching the color of the existing concrete is important for aesthetic reasons, test patches should be made prior to use of the material.
MasterEmaco N 350 CI	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly Emaco R350 CI.
MasterEmaco N425	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Formerly called Sonneborn Gel Patch and MBT Gel Patch.
Patchwell VO	Kaufman Products, Inc. 3811 Curtis Ave Baltimore, MD 21226 Tel: (800) 637-6372 FAX: (410) 354-1122	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used..
SikaRepair 224	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	

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Approved products listing

Material Spec. No.: 780.02, Overhead and Vertical Concrete Repair Material

Certification required: None **Const. section nos.:** 580

Product	Manufacturer	Distributor	Jurisdiction	Comments
SikaRepair SHB	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
SikaTop 123 Plus	Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 Tel: (201) 508-6640 FAX: (201) 933-6225	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	The approval of SikaTop 123 Plus includes the requirement that the material be used in conjunction with its Part A component
Silpro Repair VOH	Silpro Corporation 2 New England Way Ayer, MA 01432 Tel: (513) 441-0738 FAX: (978) 772-7456	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
US Thin Patch V/O	US Concrete Products 16 Greenmeadow Dr S202 Timonium, MD 21093 Tel: (866) 827-8727 FAX: (410) 561-8771	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Approved products listing

Material Spec. No.: 780.03, Rapid Setting Concrete Repair Material w/o Coarse agg.

Certification required: None **Const. section nos.:** 580

Product	Manufacturer	Distributor	Jurisdiction	Comments
HD 50	Dayton Superior Corp. 1125 Byers Road Miamisburg, OH 45342 Tel: (937) 865-9182 FAX: (913) 371-3330	Barker Steel Co. Inc. US RT. 4 Canaan, NH 03741 Tel: 800-876-5767 FAX: (603)632-6066	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
HP Concrete	US Concrete Products 16 Greenmeadow Dr S202 Timonium, MD 21093 Tel: (866) 827-8727 FAX: (410) 561-8771	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
MasterEmaco T 1060	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	Formerly 10-60
Rapid Set DOT Repair Mortar	CTS Cement Manufacturing Co. 11065 Knott Ave Suite A Cypress, CA 90630 Tel: (800) 929-3030 FAX: (714) 379-8270	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	
SilproRapid	Silpro Corporation 2 New England Way Ayer, MA 01432 Tel: (513) 441-0738 FAX: (978) 772-7456	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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Approved products listing

Material Spec. No.: 780.03 & 780.04, Rapid Setting Concrete Repair Mat: w/ and w/o Coarse **Certification required:** None **Const. section nos.:** 580

Product	Manufacturer	Distributor	Jurisdiction	Comments
MasterEmaco T 545	BASF Construction Chemicals 889 Valley Park Dr Shakopee, MN 55379 Tel: (952) 403-6547 FAX:	A.H. Harris & Sons, Inc. 294 Boyer Circle Williston, VT 05495 Tel: 802-863-3302 FAX: (802)860-1040	Main: Research (802)828-3751 Alt.: N/A	Formerly MBT Set-45.
Rapid Road Repair	Quikrete 500 Marathon Parkway Lawrenceville, GA 30046 Tel: (770) 216-9580 FAX: (770) 237-2548	No Distributer Listed , Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	

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Approved products listing

Material Spec. No.: 780.05, Polymer Concrete Repair Material

Certification required: None **Const. section nos.:**

Product	Manufacturer	Distributor	Jurisdiction	Comments
Durapatch MMA	ChemMasters 300 Edwards St. Madison, OH 44057-3112 Tel: (440) 428-2105 FAX: (612) 428-7091	Carroll Concrete Reeds Mills Rd. Box 1000 Newport, NH 03773 Tel: 6038635558 FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
T-17 Patch Material	Transpo Industries, Inc. 20 Jones Street New Rochelle, NY 10801-6 Tel: (914) 636-1000 FAX: (914) 636-1282	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: N/A	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
TechCrete TBR	Crafco, Inc. 420 N. Roosevelt Avenue Chandler, AZ 85226 Tel: (800) 528-8242 FAX: (480) 961-0513	None Tel: N/A FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.
ThermaCrete	Crafco, Inc. 420 N. Roosevelt Avenue Chandler, AZ 85226 Tel: (800) 528-8242 FAX: (480) 961-0513	Jamieson Distributors 21 Southwest Cutoff Worcester, MA 01604 Tel: 508-767-1000 FAX: N/A	Main: Research (802)828-3751 Alt.: Structural Concrete (802)828-2561	Conditionally Approved, please contact the Research Section of Vermont AOT at (802)-828-3751 or AOT.ResearchSection@vermont.gov when used.

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APPENDIX A

1. Form TA 556
2. TA 556 APL Procedure
3. New Product Submittal Form

TA556 (Approved Product List)

State of Vermont
AGENCY OF TRANSPORTATION
CONSTRUCTION & MATERIALS BUREAU
PROJECT MATERIALS ACCEPTANCE REPORT

Project Name:

Project Number:

The following materials covered by the Agency's "Approved Products List", were inspected and authorized for use on the above project.

<u>Project Line No.</u>	<u>Item No. & Name:</u>	<u>Product Name:</u>	<u>Quantity:</u>	<u>Manufacturer/Supplier:</u>
------------------------------------	------------------------------------	-----------------------------	-------------------------	--------------------------------------

Additional Information:

Date: _____

Submitted by:

Resident Engineer

cc: Resident Engineer project file
Regional project file
AOT.MaterialsCertifications@vermont.gov

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STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION & MATERIALS BUREAU
Materials Acceptance Program

TA556 Approved Produce List Procedure

Upon the use of a product included on the Approved Product List (APL), the Resident Engineer shall:

1. Verify that the material being incorporated in the project is on the APL that is applicable at the time of material installation.
2. Complete a TA556 (Approved Product List) form. More than one pay item can be placed on each individual form. Please include the manufacturer and the quantity installed as well as the project (not contract) line number.
3. Email to Certification Unit at AOT.MaterialsCertifications@vermont.gov ; with a cc to the appropriate Regional Construction office. If necessary the form can be mailed via the USPS to the address below.

Mailing address:

Vermont Agency of Transportation
Materials Acceptance Program
Certifications Unit
2178 Airport Road, Unit B
Berlin, Vermont 05641-8628

4. The Resident Engineer should keep a copy of TA556 (Approved Product List) form for their records.

NOTE: The Approved Products List (APL) is a listing of products and materials that have been tested and/or evaluated and have been deemed satisfactory for use on Agency projects. Materials required to be on the APL do not have certification requirements, therefore material substitutions are not allowed.

However, should a product not be listed that is desired to be used, the manufacturer or distributor can submit a *New Product Submittal Form*, along with materials safety data sheets and any pertinent information necessary to determine acceptable performance. The New Product Submittal Form should be submitted to the Research Engineer in the Research Section. A determination of its use and/or future testing requirements prior to inclusion on the APL will then be made at a meeting of the New Products Committee.



**POLICY, PLANNING, & RESEARCH BUREAU
Research & Development Section**

New Product Submittal Form

Please answer all questions. Where a question is not applicable enter "N/A". Attach extra sheets if needed. Refer to item number when explaining any item.

1. Trade Name _____
Manufacturer _____
Address _____
City _____ State _____ Zip Code _____ Phone # _____

2. Local Distributor _____
Address _____
City _____ State _____ Zip Code _____ Phone # _____

3. Brief Description of Product: _____

4. Recommended Uses _____

5. Outstanding Features or Advantages Claimed _____

6. General Composition of Material (attach Laboratory Report When Applicable.) _____

7. Date Introduced on Market _____

8. Alternate for What Existing Product? _____

9. Desired specification number placement for your product _____
 (within the Vermont Agency of Transportation 2011 Standard Specifications for Construction, Materials section.) <http://vtranscontracts.vermont.gov/construction-contracting>
10. Cost per Unit Material (F.O.B. \$ _____)
11. Material Specifications Furnished by Manufacturer ? Yes _____ No _____
 Are Instructions for Installation Furnished ? Yes _____ No _____
 Are Material Safety Data Sheets Required ? Yes _____ No _____
 Are Material Safety Data Sheets Furnished ? Yes _____ No _____
12. Product Meets the Following Specifications:
 AASHTO _____ ASTM _____ Federal Spec. _____
 Others _____
13. Has this product been evaluated (or is it currently under evaluation) by the National Transportation Product Evaluation Program (NTPEP)? Yes ___ No ___ NTPEP Report Number _____
14. List Other Transportation Authorities Who Are Testing or Have Approved the Product
- | | | |
|----------------------|---------------|----------------|
| Agency _____ | Exp.Use _____ | Std. Use _____ |
| Contact Person _____ | Phone # _____ | |
| Agency _____ | Exp.Use _____ | Std. Use _____ |
| Contact Person _____ | Phone # _____ | |
| Agency _____ | Exp.Use _____ | Std. Use _____ |
| Contact Person _____ | Phone # _____ | |
15. Information Furnished By _____ Phone # _____
 Address _____
 Email _____ Fax # _____
16. Date Completed _____

PLEASE DO NOT SUBMIT SAMPLES WITH THIS FORM unless you have received instructions to do so.

Forward completed form and applicable product information including product bulletins, MSDS, and installation instructions to the following address. Electronic copies are preferred.

Vermont Agency of Transportation
 Research & Development Section
 1 National Life Drive
 Montpelier, VT 05633
 Phone: 802-828-3751
Email: AOT.ResearchSection@vermont.gov