

Maine Department of Transportation Qualified Products List  
**CONCRETE SEALERS**  
 Meeting Standard Specification Revision of December 2002, Section 502

<b>Type 1a - Penetrating sealers used for traffic-bearing surfaces in sheltered conditions where relative moisture content is ≤ 55%</b>			
<b>Product Name</b> <i>Description</i>	<b>Manufacturer</b> <i>Local Supplier/Contact Phone Number</i>	<b>Min. Appl. Rate</b> Ft <sup>2</sup> /Gal.	<b>Total V.O.C. Content</b> grams/liter
<b>Enviroseal 20 *</b> 20% silane, water-based	<b>BASF Construction Chemicals, LLC</b> 800-433-9517	100	< 350
<b>Protectosil AQUA-TRETE 20</b> 20% silane, water-based	<b>EVONIC Degussa Corporation</b> 800-828-0919	100	90
<b>Powerseal 20 *</b> 20% silane, water-based	<b>Vexcon Chemicals, Inc.</b> A.H. Harris 207-622-0821	95	91

<b>Type 1b - Penetrating sealers used for traffic-bearing surfaces in outdoor conditions where the relative moisture content is ≤ 70%</b>			
<b>Product Name</b> <i>Description</i>	<b>Manufacturer</b> <i>Local Supplier/Contact Phone Number</i>	<b>Min. Appl. Rate</b> Ft <sup>2</sup> /Gal.	<b>Total V.O.C. Content</b> grams/liter
<b>Aridox 40 M</b> 40% silane, alcohol-based	<b>Anti Hydro</b> A.H. Harris 207-622-0821	100	230
<b>Certi-vex Penseal 244-40% AIM OTC *</b> 40% silane, solvent-based	<b>Vexcon Chemicals, Inc.</b> A.H. Harris 207-775-5764	95	231
<b>Certi-vex Powerseal 40%</b> 40% silane, water-based	<b>Vexcon Chemicals, Inc.</b> A.H. Harris 207-775-5764	95	89
<b>Enviroseal 40 *</b> 40% silane, water-based	<b>BASF Construction Chemicals, LLC</b> 800-433-9517	100	< 350
<b>Protectosil AQUA-TRETE 40</b> 40% silane, water-based	<b>EVONIC Degussa Corporation</b> 800-828-0919	100	< 350
<b>Weather Worker J-29 WB</b> 40% silane, water-based	<b>Dayton Superior</b> 800-692-0082	100	< 250

<b>Type 1c - High-performance, low V.O.C. penetrating sealers used for new bridges and overlays with low water/cement ratios (0.30-0.45) where the relative moisture content is ≤ 80%</b>			
<b>Product Name</b> <i>Description</i>	<b>Manufacturer</b> <i>Local Supplier/Contact Phone Number</i>	<b>Min. Appl. Rate</b> Ft <sup>2</sup> /Gal.	<b>Total V.O.C. Content</b> grams/liter
<b>Barcade Silane 100</b> 100% silane	<b>The Euclid Chemical Company</b> 800-321-7628	200	< 250
<b>Certi-vex Penseal 244-100 *</b> 100% silane, solvent-based (alcohol)	<b>Vexcon Chemicals, Inc.</b> A.H. Harris 207-775-5764	95	138
<b>Protectosil CHEM-TRETE BSM 400</b> 100% silane	<b>EVONIC Degussa Corporation</b> 800-828-0919	100	383
<b>Hydrozo 100</b> 100% silane	<b>BASF Construction Chemicals, LLC</b> 800-433-9517	250	365
<b>SIL-ACT ATS-100</b> 100% silane	<b>Advanced Chemical Technologies, Inc.</b> 800-535-0433	150	< 350
<b>Sure Klean Weather Seal SL100</b> 98% silane	<b>PROSOCO, Inc.</b> 800-255-4255	150	345
<b>Weather Worker S-100 (J-29A)</b> 100% silane	<b>Dayton Superior</b> 800-692-0082	250	350

<b>Type 2a - One component clear coating for vertical and non-traffic bearing concrete surfaces where the relative</b>			
<b>Product Name</b> <i>Description</i>	<b>Manufacturer</b> <i>Local Supplier/Contact Phone Number</i>	<b>Min. Appl. Rate</b> Ft <sup>2</sup> /Gal.	<b>Total V.O.C. Content</b> grams/liter
<b>Sikagard 670W Clear</b> 100% acrylic protective coating, water-based	<b>Sika Corp.</b> A.H. Harris 207-622-0821	160	193

<b>Type 2b - Two, or more, components clear coating for vertical and non-traffic bearing concrete surfaces where</b>			
<b>Product Name</b> <i>Description</i>	<b>Manufacturer</b> <i>Local Supplier/Contact Phone Number</i>	<b>Min. Appl. Rate</b> Ft <sup>2</sup> /Gal.	<b>Total V.O.C. Content</b> grams/liter
<b>Sealate T70 MX-30</b> high molecular weight methacrylate	<b>Transpo Industries, Inc.</b> 914-636-1000	125	181

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<b>Type 3 - Colored coatings used for vertical non-traffic bearing concrete surfaces where aesthetics are a primary</b>			
<b>Product Name</b> <i>Description</i>	<b>Manufacturer</b> <i>Local Supplier/Contact Phone Number</i>	Min. Appl. Rate Ft <sup>2</sup> /Gal.	Total V.O.C. Content grams/liter
<b>FX-460</b> colored, breathable, primer/top coat system	<b>Fox Industries, Inc.</b> 888-760-0369	125/250	200
<b>Sikagard 550W Elastic</b> colored, high-performance coating	<b>Sika Corp.</b> A.H. Harris 207-622-0821	160	20
<b>Sikagard 670W</b> acrylic, protective coating, water vapor permeable	<b>Sika Corp.</b> A.H. Harris 207-622-0821	300	75

All products must meet Volatile Organic Compound (VOC) content limit as set by the Maine Department of Environmental Protection regulation Chapter 151: Architectural and Industrial Maintenance (AIM) Coatings. Waterproofing Concrete/Masonry, Type 1 & 2, penetrating sealers have a limit of 400 grams per liter. Type 3 products must meet VOC limit for Industrial Maintenance Coatings of 340 grams per liter. Limits are effective as of January 1, 2006.

**General Instructions for Field Use:**

Application rates listed are for relative comparison of products on laboratory concrete. Application rates must be adjusted to suit field conditions and the type of sealer product previously applied to the concrete.

**Type 1**

1. Allow 28 days continuous drying after burlap is removed from new concrete.
2. For mature concrete allow minimum 72 hours continuous drying after washing or a heavy rainfall.
3. Flood coat the surface and repeat on high spots and areas that dry quickly.
4. Depending upon drying conditions, drying time may have to be extended.

**Type 2**

These products are divided into 2 categories depending on the number of components as noted above. These sealers are used on concrete that are cured for 28 days or older.

Smooth textured, vertical concrete surfaces may not attain the required coverage rates, and more than two applications may be needed. A reduction in the required coverage rate generally results in a reduction in the waterproofing performance as well as an increase in the breathability performance of the sealed surface.

On previously sealed concrete surfaces, the sealer product to be applied, should be checked for compatibility.

**Type 3**

Manufacturer's recommended surface preparation, including use of primers, must be followed closely to ensure the durability of the coating. Please consult the tech data sheets and/or contact the manufacturer directly before using.

\* Approved for use as a sealer on concrete block walls.

Contact the Product Approval Coordinator at (207) 624-3268 or the manufacturer directly with any questions regarding application of any of the listed products.

Sales Representatives seeking approval of a new product should submit their product's Materials Technical Data Sheet, Instructions, Material Safety Data Sheet, and a completed copy of the MaineDOT Preliminary Information for Product Evaluation Form.

**PLEASE NOTE: Products often times may have multiple uses. Products appearing on this particular list are expressly pre-qualified for this category of usage only. Do not use these products for any other application unless this product is noted on other lists.**