**Concrete Sealers & Coatings**

**Product Acceptance Criteria & Information**

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

| Type 1a- Sealers, Penetrating Silane- For traffic bearing surfaces in sheltered conditions where relative moisture content is ≤ 55%. The solids content typical range for Type 1a sealer is 14% to 32%. |
| Type 1b- Sealers, Penetrating Silane- For traffic bearing surfaces in outdoor conditions where relative moisture content is ≤ 70%. These sealers are generally called 40% silane sealers and have a solids content of 25% to 33%. |
| Type 1c Sealers- High performance, low VOC penetrating sealers for new bridges and overlays with low water/cement ratios (0.30 - 0.45) where the relative moisture content is less than or equal to 80%. This category sealer is considered a 100% silane sealer although the solids content may actually range from 65% to 72%. These sealers must be used on concrete decks that have been cured for a minimum of 28 days. |

MaineDOT Standard Specifications (2014) Section(s): 515

Protection Air Rules, Chapter 151: Architectural and Industrial Maintenance (AIM) Coatings: Type 1a, 1b, and 1c penetrating sealers (waterproofing sealers) have a VOC limit of 300 grams per liter. Type 2a, 2b, and 3 waterproofing concrete/masonry sealers (film-forming coatings) have a VOC limit of 400 grams per liter. PLEASE NOTE: MaineDOT requires third party testing in addition to manufactures technical data sheets for VOC levels. ALWAYS consult manufacturer’s SDS/MSDS for safety precautions including appropriate PPE prior to use.

**Field Use:**
- Allow 28 days continuous drying after burlap is removed from new concrete (types 1a, 1b, and 1c).
- For mature concrete allow minimum 72 hours continuous drying after washing or a heavy rainfall.
- Flood coat the surface and repeat on high spots and areas that dry quickly.

Type 2a Sealers- Clear Coating: One component clear coating for vertical and non-traffic bearing concrete surfaces where the relative moisture content is less than or equal to 70%.

Type 2b Sealers- Clear Coating: Two component clear coating for vertical and non-traffic bearing concrete surfaces where the relative moisture content is less than or equal to 70%.

Type 3 Sealers- Pigment Coating: Colored coatings used for vertical non-traffic bearing concrete surface where aesthetics

**PRODUCT CONFORMITY:** At the discretion of MaineDOT, any shipment of product to a MaineDOT location may be tested, such as by infrared or gas chromatography, for compliance with the SDS and uniformity with the formulation of the approved product (where applicable).

**NOTE:** MaineDOT may require a field evaluation before final acceptance and inclusion on the Qualified Products List (QPL).
A vendor who wishes to have products preapproved for future use should contact MaineDOT’s Product Evaluation Coordinator via email at [NewProducts.MaineDOT@maine.gov](mailto:NewProducts.MaineDOT@maine.gov) or by calling (207)624-3268.

Product submittals shall include: a completed New Product Evaluation form, a copy of the technical data sheet, current Safety Data Sheet (SDS), and third party, independent test results (or NTPEP test reports where applicable). **Any incomplete submittals will not be evaluated for inclusion on MaineDOT’s Product Lists.**

All reports shall be issued and signed by an authorized laboratory representative. The report shall also include the physical and/or chemical requirements stated herein.

Any change in a product, such as formulation, shall require re-testing (through NTPEP if required) and resubmission of an independent analytical laboratory report (or NTPEP testing report) prior to purchase by MaineDOT.

**MaineDOT requires re-certification by all manufacturers every five years** (except for electrodes used for field welding which are recertified every year) to ensure that product names and formulations have remained the same since the product was originally placed on this list and that products are still relevant and in production. This shall include the most recent NTPEP testing. NTPEP provides for retesting of this product category on a 5-year basis. A lapse of NTPEP test results may result in disqualification of the product.

The Department continues to evaluate its Acceptance Criteria and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice. Furthermore, the ability of a product to meet these requirements does not necessarily guarantee addition to the Qualified Products List. Reminder that, products once placed on the Qualified Products List are to be considered prequalified for use only, meaning that they have undergone preliminary review for compliance with MaineDOT, and AASHTO specifications. As with all products, final approval rests with the Designer, Project Manager, Supplier and/or Resident to determine if a product best suits the need of a particular project.

If you are experiencing difficulties reading or printing this page, or have questions regarding the Qualified Products List website, please contact the Product Evaluation Program Coordinator at 207-624-3268 or by email at: [NewProducts.MaineDOT@maine.gov](mailto:NewProducts.MaineDOT@maine.gov)