

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF MATERIALS TECHNOLOGY
7450 Traffic Drive, Building #4
Hanover, MD, 21076

PROCEDURE FOR THE PREQUALIFICATION OF CONCRETE STAINS

The Maryland Department of Transportation State Highway Administration (MDOT-SHA) maintains a Qualified Products List (QPL) which includes prequalified concrete stains. Concrete stains shall conform to [Section 902.18](#) of MDOT-SHA's Standard Specifications for Construction and Materials.

If you are interested in having your product qualified, visit [Maryland's Product Evaluation Listing \(MPEL\)](#) and select VENDOR REGISTRATION to begin.

When your registration has been accepted, you will receive an email requesting submission of the following information into MPEL:

1. Product identification and the composition of the product.
2. A certificate detailing the manufacturer's laboratory results for all required tests below.

After the requested information is accepted, you will be required to submit a sample in a nearly full, one-quart friction top metal can representative of normal production.

Along with each prequalification sample, submit the following certified test results for the submitted sample. Each stain color shall require the full range of tests. The Administration will perform the following chemical and physical tests.

TEST	METHOD
Infrared spectrogram analysis	ASTM D 2621
Total nonvolatile solids	ASTM D 2369
Weight/gallon	ASTM D 1475
Dry-to-touch time	ASTM D 1640
Recoat dry time	ASTM D 1640
Viscosity	ASTM D 562
Accelerated Weathering	ASTM G7
Color	Fed. Spec.595

In addition to the above tests, the manufacturer shall provide certified test results for the accelerated weathering test per ASTM G7.

- The exposure rack shall be set at 90 degrees, per Section 5.4.3.
- Specimens shall be unpacked per Section 5.5.1.
- Ambient temperature and relative humidity shall be reported per Sections 7.2.1 and 7.2.2.
- Solar Ultraviolet Radiation shall be reported per Section 7.2.4.
- Test specimens shall have duration of exposure on a calendar basis per Section 8.3.1.
- Exposure readings shall be taken at the following specified intervals: 3 days, 3 months, 6 months, 9 months, 1 year, and 2 years.

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Approved products are required to continue to meet specifications. After prequalification, samples of the product may be taken by the Administration periodically to ensure quality assurance and quality control.

Inform the Administration immediately of any changes in the composition of the product. After MDOT-SHA has reviewed the changes, a new sample(s) may be requested to be submitted along with the information above.

Products will be placed on a **provisional** prequalified list for a period of one year upon approval. The product will be evaluated at intervals of six months and one year per ASTM G7 after the original application. If the product meets all criteria, it will be approved for permanent addition to the prequalified list.

Materials/Products representing revised formulations/standards of currently approved products will not be approved for testing within six months of the most recent evaluation unless requested by the Administration.

Materials/Products evaluated and not approved are not eligible for resubmission within six months of the most recent evaluation unless requested by the Administration.

Producers are required to recertify their products every 5 years to remain on the QPL beginning January 2016. A cost reimbursement of \$150.00 per product will be applied for the Recertification process. Products approved within 36 months of the Recertification Date are exempt.

Submit a certified letter on manufacturer's letterhead stating that the product formulation has not changed. Also submit a current MSDS and current test results. Samples will be requested as needed.

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MATERIAL TESTING AND EVALUATION

Attention Customer:

The Office of Materials Technology has a schedule of cost recertification for the testing and evaluation of materials to be placed on our Qualified Products List (QPL).

Your company has requested that the following material(s) be tested in accordance with [Section 902.18](#). Approved products will be included in the qualification list for that category.

Forward the sample and related information (**Data Sheet, MSDS, quality control data, etc.**) to:

Office of Materials Technology
7450 Traffic Drive, Building #4
Hanover, MD, 21076
ATTN: Mr. Jay Gheewala

A cost reimbursement of **\$354.25** per product will be applied for testing. Testing will not begin until verification of payment is received by the Administration's Cashier's Office.

Complete the attached form and return it along with a Cashier's Check made payable to the Maryland Department of Transportation State Highway Administration. Mail these items to the following address:

Cashier's Office
P.O. Box 1636
Baltimore, MD, 21203

If you have any questions, contact us via email at MPPEL@mdot.maryland.gov

Sincerely,

New Products and Research Team
Office of Materials Technology

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Cashier's Office
P.O. Box 1636
Baltimore, MD, 21203

AW176M2N

Attention Cashier:

This cost reimbursement covers the processing and testing for the qualification of materials. Verification of payment is required before any testing will be performed. All testing will be performed by the Office of Materials Technology. Submit a copy of payment verification into MPEL.

*** Please include certified results for the tests listed below.**

MATERIAL Product Name (I.D.)

TEST	METHOD
% Total Nonvolatile Solids (value $\pm 2\%$)	ASTM D 2369
Infrared Spectrogram Analysis	ASTM D 2621
Viscosity (value ± 10 Kreb Units)	ASTM D 562
Weight/Gallon (value ± 0.3 lbs/gal)	ASTM D 1475
Drying Time	ASTM D 1640

*** *Manufacturer must provide certified test results from a private lab for the following tests: accelerated weathering test (min. 1000 Hours) and QUV test (ASTM G7.)***

TOTAL COST REIMBURSEMENT PER PRODUCT: \$354.25 (Cost reimbursement includes Processing and Handling)

NAME: _____

PRODUCT NAME: _____

COMPANY: _____

ADDRESS: _____

PHONE: _____