

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

**PROCEDURE FOR THE QUALIFICATION OF  
EPOXY POWDER COATINGS FOR STEEL**

The Maryland State Highway Administration (SHA) maintains a Qualified Products List (QPL) which includes Powder Epoxy Coatings for Steel Reinforcing Bars. Powder Coatings shall conform to [Section 917](#) of SHA's Standard Specifications for Construction and Materials Manual.

If you are interested in having your product qualified, please visit Maryland's Product Evaluation Listing (MPEL) located at <https://apps.roads.maryland.gov/MPEL/> and then select VENDOR REGISTRATION to begin the process.

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

1. Certification and laboratory test results showing compliance with AASHTO M 284.  
The certification must be prepared, signed and dated by the individual(s) who performed the tests.
2. MSDS (Material Safety Data Sheet).

After the requested information is accepted, you will be required to submit:

- A 0.5 kg (1-lb) sample of the powder coating material with its generic description and fingerprint (including the method such as infrared spectroscopy or thermal analysis)  
The fingerprint and generic description shall become an integral part of the qualification test report
- Four 4in. X 4in. Taber Plates coated normally each with a 10 mil specimen film thickness
- Four 4in. X 4in. free films each with a 7 mil specimen film thickness

All products approved are required to continue to meet the specifications mentioned above. At any time after qualification, materials used based on Certificates of Compliance may be sampled and tested using AASHTO M 284. If found not to be in conformity with contract requirements or specifications, the material will be subject to rejection, whether in place or not. Periodic samples will be taken of your product.

The Administration must be informed immediately of any changes in the composition of the product. After SHA has reviewed the changes, new sample(s) may be requested and submitted along with the aforementioned information.

**Materials/Products representing revised formulations/standards of currently approved Qualified Products will not be accepted for testing within six (6) months of the most recent evaluation, unless requested by SHA.**

**Materials/Products evaluated and not accepted, are not eligible for resubmission within six (6) months of the most recent examinations, unless requested by SHA.**

**Producers are required to recertify their products every 5 years in order to remain on SHA's QPL beginning January 2015. A cost reimbursement of \$250.00 will be charged for the Recertification process. Products approved within 36 months of the Recertification Date are exempt.**

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**MATERIAL TESTING AND EVALUATION**

Dear Customer:

The Office of Materials Technology has a schedule of fees 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 917](#). If approved, the product will be included in the QPL for that category, providing all criteria are met.

Your sample and related information (**Data Sheet, MSDS, quality control data, etc.**) may be forwarded to:

Office of Materials Technology  
7450 Traffic Drive, Building #4  
Hanover, MD 21076  
ATTN: Troy Davis

A cost reimbursement of **\$390.59** will be charged for testing costs. No testing will begin until verification of payment is received by the State Highway Administration Cashier's Office.

Please complete the attached form and return it along with a Cashier's Check made payable to the Maryland State Highway Administration. These items should be mailed to the following address:

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

If you have any questions, please contact Troy Davis at 443-572-5045 or [TDavis5@mdot.maryland.gov](mailto:TDavis5@mdot.maryland.gov)

Sincerely,

Troy Davis  
New Products & Research Team Leader  
Office of Materials Technology  
7450 Traffic Drive, Building #4  
Hanover, MD 21076

443-572-5045 - Office  
410-787-4086 - Fax  
1-866-926-8501 - Toll Free

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

AW176M2J

Attention Customer:

This cost reimbursement covers the processing and testing for the qualification of materials. Verification of payment is required before any testing will be performed. The Office of Materials Technology will do all testing. Please submit a copy of payment verification into MPEL.

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

**MATERIAL** Product Name (I.D.)

<b>TESTS</b>	<b>METHOD</b>
Chloride Permeability	AASHTO M284
Infrared Spectrogram Analysis	ASTM D2621
Taber Abrasion	AASHTO M284

**TOTAL COST REIMBURSEMENT: \$390.59** (Cost Reimbursement includes Processing and Handling)

**NAME:** \_\_\_\_\_

**PRODUCT  
NAME:** \_\_\_\_\_

**COMPANY:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**PHONE:** \_\_\_\_\_