

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

**PROCEDURE FOR THE QUALIFICATION OF
NON-SHRINK CEMENTITIOUS GROUTS**

The Maryland State Highway Administration (SHA) maintains a Qualified Products List (QPL) which includes qualified Non-Shrink Grouts. Non-Shrink Grouts shall conform to [Section 902.11](#) 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 \(MPEL\)](#) 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. A certificate detailing laboratory test results for conformance to [Section 902.11](#) of SHA's Standard Specifications for Construction and Materials Manual.
2. MSDS and Product Data Sheets.

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

- A typical container of the product you wish to have qualified

The sample shall be representative of your normal production. We limit qualification to one (1) product per manufacturer for this category.

All products approved are required to continue to meet the specifications mentioned above. After qualification, periodic samples of your product will be taken as a means of ensuring quality assurance and quality control.

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 the SHA.

Producers are required to recertify their products every 5 years in order to remain on SHA's QPL beginning January 2017. A cost reimbursement of \$150.00 will be applied for the Recertification process. Products approved within 36 months of the Recertification Date are exempt.

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7450 Traffic Drive, Building #4
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MATERIAL TESTING AND EVALUATION

Dear Customer:

The Office of Materials Technology has a schedule of cost reimbursement 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 902.11** (spec). 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: Mr. Rodney Wynn

A cost reimbursement of **\$158.67** will be charged for testing. 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 Rodney Wynn at 443-572-5043 or via email at rwynn@sha.state.md.us.

Sincerely,

Rodney C. Wynn, Team Leader
New Products and Research

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

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

AW176M2G

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 done by the Office of Materials Technology. Please submit a copy of payment verification into MPEL.

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

MATERIAL Product Name (I.D.)

TESTS	METHOD
Compressive Strength	AASHTO T106
Length Change	AASHTO T160

TOTAL COST REIMBURSEMENT: \$158.67 (Cost reimbursement includes Processing and Handling)

NAME: _____

**PRODUCT
NAME:** _____

COMPANY: _____

ADDRESS: _____

PHONE: _____

**PROCEDURE FOR THE QUALIFICATION OF
 RAPID HARDENING CEMENTITIOUS MATERIALS**

The Maryland State Highway Administration (SHA) maintains a Qualified Products List (QPL) which includes Rapid Hardening Cementitious Materials. Rapid Hardening Cementitious Materials shall conform to the standard specifications listed below.

902.14 RAPID HARDENING CEMENTITIOUS MATERIALS FOR CONCRETE

PAVEMENT REPAIRS. Materials shall be a dry, packaged cementitious mortar having less than 5 percent by weight of aggregate retained on the 3/8 in. sieve and shall conform to the following requirements:

Classification.

- Class I — For use at ambient temperatures below 50 F.
- Class II — For use at ambient temperatures of 50–90 F.
- Class III — For use at ambient temperatures above 90 F.

Chemical Requirements. The material shall conform to the chemical requirements of C 928 and contain no organic compounds such as epoxy resins or polyesters as the principal binder.

Physical Requirements. The material shall conform to the following when tested as specified in MSMT 725:

COMPRESSIVE STRENGTH, psi min

	2 hours	2-6 hours	6 hours	28 days
Type I—Slow			2000	4500
Type II—Rapid		2000		4500
Type III—Very Rapid	2500			4500

TEST RESULTS

- Bond Strength, 7 days, minimum 2000 psi
- Length Change, increase after 28 days in water, based on length at 3 hr, max+ 0.15%
- Length Change, decrease after 28 days, max - 0.15%
- Freeze Thaw, loss after 25 cycles in 10% CaCl₂ solution, max 8%
- Initial Setting Time, minimum 10 minutes

Marking. All packages delivered to the project shall be marked with the following information:

- (a) Date material was packaged.
- (b) Approximate setting time.

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- (c) Recommended dosage of water or liquid component.
- (d) Mixing instructions.
- (e) Class or temperature range.

Certification. The manufacturer shall furnish certification as specified in [TC-1.03](#) showing the actual test results for each class and type of material submitted to the Laboratory.

If you are interested in having your product qualified, please visit [Maryland's Product Evaluation Listing \(MPEL\)](#) 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. A certificate detailing laboratory test results for conformance to appropriate specifications
2. MSDS and Product Data Sheets

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

- A typical container of the product you wish to have qualified.

The sample shall be representative of your normal production. We limit qualification to one (1) product per manufacturer per Class/Type for this category.

All products approved are required to continue to meet the specifications mentioned above. Periodic samples of your product will be taken at the discretion of the administration as a means of ensuring quality assurance and quality control.

You must inform this office immediately if you change the chemical composition of your product. You must then submit documents and new samples for re-evaluation.

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 the 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 \$150.00 will be applied 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:

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Your company has requested that the following material(s) be tested in accordance with **Section 902.14**. 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: Mr. Rodney Wynn

A cost reimbursement of **\$339.09** will be applied for testing. 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 Rodney Wynn at 443 572-5043 or via email at rwynn@sha.state.md.us.

Sincerely,

Rodney C. Wynn, Team Leader
New Products and Research

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AW176M2G

Attention Cashier:

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

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

MATERIAL Product Name (I.D.)

TESTS Processing

Freeze Thaw

Time Set

Length Change

Comp. Strength

Slant Shear

TOTAL COST REIMBURSEMENT: \$339.09 (Cost reimbursement includes Processing and Handling)

NAME: _____

**PRODUCT
NAME:** _____

COMPANY: _____

ADDRESS: _____

PHONE: _____