

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

**PROCEDURE FOR THE QUALIFICATION OF  
AIR ENTRAINING AND CHEMICAL ADMIXTURES FOR CONCRETE  
(TYPES A, D, F, G, & Non-Chloride C)**

The Maryland Department of Transportation State Highway Administration (MDOT-SHA) maintains a Qualified Products List (QPL) which includes Air Entraining and Chemical Admixtures (Types A, D, F, G, & Non-Chloride C). These Admixtures shall conform to [Section 902.06](#) 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. Recommended dosage rates for each product.
2. A certificate detailing laboratory tests results for compliance to the appropriate specifications per Section [TC 1.03](#) of MDOT-SHA's Standard Specifications, SDS and Data Sheet.
3. Uniformity and equivalency values of your product are determined in accordance with the above specifications. The tests required are:
  - pH
  - % solids content
  - Specific gravity
  - Infrared spectrogram analysis

After the requested information is accepted, you will be required to submit a **one-quart** sample of each product to be qualified.

Samples submitted should be a representative of normal production. There is no limit to the quantity of air entraining admixtures allowed for submission. All other admixtures are limited to **five** products per manufacturer per type.

Approved products are required to continue to meet specifications. Materials used based on Certificates of Compliance may be sampled and tested after qualification per AASHTO M 194. Products found not in compliance with contract requirements or specifications will be subject to rejection whether in place or not. Samples of the product **may be taken** by the Administration periodically to ensure quality assurance and quality control.

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

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**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 2015. 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 SDS, Product Data Sheet including dosage rates, 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 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 902.06](#). Approved products will be included in the qualification list for that category.

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

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

A cost reimbursement of **\$182.50** per product will be charged for testing costs. 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@sha.state.md.us](mailto:MPPEL@sha.state.md.us)

Sincerely,

New Products and Research Team  
Office of Materials Technology

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

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

AW176M2K

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 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
pH	MSMT 550
InfraRed Spectrogram Analysis	ASTM D2621
Specific Gravity	MSMT 550
% Total Solids	ASTM D2369

**TOTAL COST REIMBURSEMENT PER PRODUCT: \$182.50** (Cost Reimbursement includes Processing and Handling)

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

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

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

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

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

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**PROCEDURE FOR THE QUALIFICATION OF  
DRYCAST ADMIXTURES-PRECAST PIPE AND DRAINAGE STRUCTURES**

The Maryland Department of Transportation State Highway Administration (MDOT-SHA) maintains a list of qualified Drycast Admixtures-Precast Pipe and Drainage Structures. These Admixtures shall conform to [Section 902.06](#) 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. Recommended dosage rates for each product.
2. A certificate detailing laboratory tests results for compliance to the appropriate specifications per Section [TC 1.03](#) along with SDS and Data Sheets.
3. Uniformity and equivalency values of your product are determined in accordance with the above specifications. The tests required are:
  - pH
  - % solids content
  - Specific gravity
  - Infrared spectrogram analysis

After the requested information is accepted, you will be required to submit a **one-quart** sample of each product to be qualified.

Samples should be representative of normal production. There is no limit to the quantity of air entraining admixtures allowed to be submitted for qualification. All other admixtures are limited to **five** products per manufacturer per type.

Approved products are required to continue to meet specifications. Materials used based on Certificates of Compliance may be sampled and tested after qualification per AASHTO M 194. Products found not in compliance with contract requirements or specifications will be subject to rejection whether in place or not. Samples of the product **may be taken** by the Administration periodically to ensure quality assurance and quality control.

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

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**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 2013. 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 SDS, Product Data Sheet including dosage rates, and current test results. Samples will be requested as needed.**

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Your company has requested that the following material(s) be tested in accordance with [Section 902.06](#). Approved products will be included in the qualification list for that category.

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

Office of Materials Technology  
7450 Traffic Drive, Building #4  
Hanover, MD, 21076  
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Cashier's Office  
P.O. Box 1636  
Baltimore, MD, 21203

If you have any questions, please contact us via email at [MPPEL@sha.state.md.us](mailto:MPPEL@sha.state.md.us)

Sincerely,

New Products and Research Team  
Office of Materials Technology

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Baltimore, MD, 21203

AW176M2K

Attention Cashier:

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

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

TEST	METHOD
pH	MSMT 550
InfraRed Spectrogram Analysis	ASTM D2621
Specific Gravity	MSMT 550
% Total Solids	ASTM D2369

**TOTAL COST REIMBURSEMENT PER PRODUCT: \$182.50** (Cost Reimbursement includes Processing and Handling)

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

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

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

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

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



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**PROCEDURE FOR THE QUALIFICATION OF  
PRECAST ADMIXTURES**

The Maryland Department of Transportation State Highway Administration (MDOT-SHA) maintains a list of qualified Precast Admixtures. These Admixtures submitted to this category shall meet the requirements for both Type F of AASHTO M 194 and for Type I of ASTM C 1017.

Only liquid forms of these admixtures are allowed. The admixture shall be non-foaming when tested in accordance with ASTM D 1173. The admixture shall not contribute more than 200 ppm of chlorides based on the cement content when tested in per [MSMT 610](#).

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. Recommended dosage rates for each product.
2. A certificate detailing laboratory test results for compliance with the appropriate specifications per [TC 1.03](#) of MDOT-SHA's Standard Specifications for Construction and Materials.
3. Uniformity and equivalency values of your product as determined in accordance with the above specifications. The tests required are:
  - pH
  - % solids content
  - Specific gravity
  - Infrared spectrogram analysis

After the requested information is accepted, you will be required to submit a **two-quart** sample of each product to be qualified. Samples should be representative of normal production. Qualifications are limited to **three** products per manufacturer.

Approved products are required to continue to meet specifications. Materials used based on Certificates of Compliance may be sampled and tested after qualification per AASHTO M 194. Products found not in compliance with contract requirements or specifications will be subject to rejection whether in place or not. 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 above information.

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**Submit a certified letter on manufacturer's letterhead stating that the product formulation has not changed. Also submit a current SDS, Product Data Sheet including dosage rates, and current test results. Samples will be requested as needed.**

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Office of Materials Technology  
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ATTN: Mr. Troy Davis

A cost reimbursement of **\$163.54** per product will be charged 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:

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New Products and Research Team  
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AW176M2K

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

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

TEST	METHOD
pH	MSMT 550
Infrared Spectrogram Analysis	ASTM D2621
Specific Gravity	MSMT 550
% Total Solids	ASTM D2369

**TOTAL COST REIMBURSEMENT PER PRODUCT: \$163.54** (Cost Reimbursement includes Processing and Handling)

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

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

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

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

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