

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

**PROCEDURE FOR QUALIFICATION OF  
COLD PATCH MATERIAL (CPM)**

The Maryland State Highway Administration (SHA) maintains a Qualified Products List (QPL) which includes Cold Patch Material (CPM). CPM shall conform to the attached CPM Special Provision.

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. Certification stating the manufacturer's name, product name, statement that the material has been tested and found in conformity with specification requirements.
2. Material Safety Data Sheet for the particular product.
3. CPM is approved through manufacturer's certification; however, SHA reserves the right to take independent samples to confirm specification compliance.

SHA limits qualification to two (2) products per manufacturer for this category.

All approvals are made subject to continuing production of materials performing in the field. Materials used on the basis of Certificates of Compliance may be sampled and tested after qualification. At any time your product is not in compliance with contract requirements or specifications, this material will be subject to rejection whether in place or not.

The State Highway Administration must be informed immediately of any changes in the formulation of the product. Once SHA is notified, new sample (s) must be 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 February 2015. A cost reimbursement of \$165.00 per product 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:

The Office of Materials Technology has a schedule of cost reimbursement for the evaluation of materials to be placed on our Qualified Products List.

The submitted sample and related information (**Data Sheet, MSDS, and quality control data**) may be forwarded to the following:

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

A cost reimbursement of **\$489.17** per product will be applied for the evaluation of **Cold Patch Material (CPM)**. No review 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. The form and check should be mailed to the following:

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](mailto:rwynn@sha.state.md.us)

Sincerely,

Rodney Wynn, Team Leader  
New Products and Research

cc: Asphalt Binder Team Leader

MARYLAND STATE HIGHWAY ADMINISTRATION  
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7450 Traffic Drive, Building #4  
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Cashier's Office  
P.O. Box 1636  
Baltimore, MD 21203

AW176M2E

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. The Office of Materials Technology will do all testing. Please submit a copy of payment verification into MPEL.

**\* Please include all certified results and temperature requirements for tests performed by your accredited testing agency.**

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

**TESTS AND SPECIFICATION REVIEW:**

**TOTAL COST REIMBURSEMENT PER PRODUCT: \$489.17** (Cost reimbursement includes Processing and Handling)

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

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

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

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

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



**SPECIAL PROVISIONS INSERT**  
924— COLD PATCH MATERIAL

CONTRACT NO. ContNum  
1 of 3

789 **DELETE:** SECTION 924 — RESERVED.

**INSERT:** The following.

**SECTION 924 — COLD PATCH MATERIAL**

**924.01 DESCRIPTION.** Cold Patch Material (CPM) is a high performance asphalt patching material used to repair potholes, deteriorated concrete, and asphalt pavement for all seasons. CPM shall be capable of making permanent repairs with minimal effort and with minimal affect on traffic.

CPM is produced by an approved manufacturer using specially formulated binders. CPM may be produced in bulk and stockpiled or packaged in buckets or bags. Select CPM from the Qualified Products List (QPL).

**924.02 MATERIALS.**

Aggregates	M29 T11 T2
Binder	D244 D402 T59 T78

**924.02.01 Binder.** Binder shall provide aggregate coverage per TP 40. No additives, modifiers, or extra ingredients are to be introduced into the liquid oil blend after shipment. Binder shall meet a maximum of 0.1% volume by weight of the original sample when tested to 500 degrees F (260 degrees C) per T59 or, the binder shall contain no more than 6.0 milliliters of oil distillate when tested per D244, D402 or T78, depending upon the type of binder used. The residual binder content shall be a minimum of 5 percent of the mix.

**924.03 MIX PERFORMANCE REQUIREMENTS.** CPM patches shall remain in place when paved over and shall not adversely affect the final surface. CPM shall not require primer or tack. CPM shall be compatible with asphalt and/or concrete at a minimum thickness of ½ inch. The material must be capable of filling potholes in wet or dry conditions in temperatures as low as to 5F (without heating) and up to 100F.

CPM applied to deteriorated concrete or bituminous pavement shall provide permanent adhesion until the surrounding pavement fails. Removal shall not be required when the surface is overlaid with asphalt. Replace actual volumes used at no additional cost if the patch material fails to perform as guaranteed when properly installed.



**SPECIAL PROVISIONS INSERT**  
924— COLD PATCH MATERIAL

CONTRACT NO. ContNum  
2 of 3

**924.03.01 Storage.** CPM shall be stored in accordance with the manufacturer's recommendations. CPM may be furnished in bags or containers weighing 50 to 60 pounds. CPM may also be furnished from stockpiled material that has been stored outside, uncovered, without drying or clumping. The stockpile shall not leach or strip. A product guarantee is required stating that the material remains workable in an uncovered stockpile of 100 tons or more for a period of not less than twelve months.

**924.03.02. Usage.** CPM shall be uniformly mixed and require no mixing prior to use. The material shall be capable of being poured or shoveled into a hole. The material shall require minimal pothole preparation consisting of removing water and debris from the pothole. The material shall be capable of displacing any water remaining in the hole. Place and compact the CPM according to the manufacturer's recommendations. The material shall not ravel nor adhere to tires when opened to traffic.

**924.03.03 Quality Control Plan.** Provide a Quality Control Plan (QCP) that includes the following:

- (a) Description of Material
- (b) Contact Personnel
- (c) MSDS and Technical Data Sheets
- (d) Environmental Impact
- (e) Job Mix Formula, including VOC content.
- (f) QC Material Sampling Process
- (g) Stockpiling Requirements

The QCP shall also state that if a test result indicates that a shipment is not in compliance with specifications, the following shall apply.

- (a) Immediately notify the Administration of the shipment in question,
- (b) Identify the material,
- (c) Cease shipment until material complies with the specification;
- (d) Notify the Administration prior to resuming shipment, and
- (e) Implement any mutually agreed upon procedures for the disposition of the material.

In the event a mutual agreement is not obtained, the Administration shall have final authority in the decision on specification compliance.



**SPECIAL PROVISIONS INSERT**  
924— COLD PATCH MATERIAL

CONTRACT NO. ContNum  
3 of 3

**924.04 CERTIFICATION.** Provide certification that the material meets requirements per TC 1.03 and the following:

- (a) Materials Safety Data Sheets.
- (b) A guarantee the material conforms to the Materials, Binder, Mix Performance and Storage requirements and COMAR environmental regulations.
- (c) Employ an unaffiliated AASHTO accredited laboratory to perform all laboratory testing for certification.

Materials used on the basis of certification may be sampled and tested at any time. Non-conforming materials will be rejected whether in-place or not. Remove all CPM inventory on hand that fails to meet requirements and replace at no additional cost. CPM that consistently fails to meet requirements will be removed from the QPL.