

State of Louisiana  
Department of Transportation and Development (DOTD)  
Materials and Testing Section Approved Materials Procedure  
for

**ASPHALT MIX RELEASE AGENTS**

**MATERIAL SPECIFICATION REFERENCE:**

DOTD Standard Specifications, Subsection 1018.10, Supplemental Specifications and Special Provisions.

**APPROVED MATERIAL EVALUATION SUBMITTAL:**

The manufacturer shall submit a completed Approved Materials Evaluation Submittal to the DOTD Materials and Testing Section Coordinator listed below.

**PRELIMINARY REQUIREMENTS:**

The complete submittal must include:

- Complete Approved Materials Evaluation Form
- Letter requesting evaluation of the material
- Product Data Sheets
- Manufacturer's specifications
- Safety Data Sheet (SDS)
- AASHTO National Transportation Products Evaluation Program (NTPEP) Results

The address of the contact affiliated with AASHTO NTPEP is:

NTPEP Coordinator  
AASHTO National Transportation Products Evaluation Program  
444 N. Capitol St. N.W.  
Suite 249  
Washington, D.C. 20001  
Phone: (202) 624-3695  
Fax: (202) 624-5806  
<http://data.ntpep.org>

For detailed information, refer to the Operational Procedures of the AASHTO NTPEP available from the NTPEP Coordinator.

NOTE: Evaluation will not begin until all required items listed above are received by the Materials Laboratory.

**TEST REQUIREMENTS:**

AASHTO NTPEP

Prior to submitting an “Approved Materials Evaluation Form” to the Materials and Testing Section, the manufacturer shall have successfully completed the requirements of the AASHTO NTPEP for Asphalt Mix Release Agents. The laboratory results obtained from the AASHTO NTPEP report will be used to determine conformance of the material to DOTD Standard Specifications.

Laboratory Testing

Laboratory results obtained by the AASHTO NTPEP will be used to determine that the material exhibits no deleterious effects on hot mix asphaltic concrete by demonstrating conformance to the following requirements:

Asphalt Release Agent Properties

Test		Requirement
7-Day Asphalt Stripping Test		
	Diluted to recommended mix ratio	No stripping
	Full Strength	No stripping (see note)
Mixture Slide Test		10 grams retained, max
Note – Recommended dilution mix ratio may be considered when evaluating the 7-day stripping test at full strength.		

Evaluation Time (2 months)

The Department may require an Asphalt Mix Release Agent to prove its performance through field use prior to placement upon the Approved Materials List (AML). The field evaluation will be performed by District Laboratory personnel, and shall entail application of the material to a truck bed with subsequent observation of hot mix being dumped from the bed. Comparison to other trucks dumping hot mix from beds sprayed with a previously approved Asphalt Mix Release Agent is the basis for this evaluation.

Field Evaluation (if required 12 months)

**GENERAL:**

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the material will or will not be added to the AML. The DOTD Materials and Testing Section Coordinator shall be notified in writing of any change from the original material submittal. The Department reserves the right to re-evaluate any material or individual material at any time. A Certificate of Analysis of the material shall be submitted annually to the DOTD Materials and Testing Section Coordinator to remain on the AML.

**GENERAL CONTINUED:**

It is also the manufacturer's responsibility to supply the contact information of the representative responsible for the material to the Materials Section Coordinator to remain on the AML. This is done by completing the Approved Materials Evaluation Form every two years or when there is a change in the manufacturing representative responsible for the material.

**PROJECT ACCEPTANCE REQUIREMENTS:**

The inclusion of any material on the AML is not blanket approval for its use. All materials, regardless of prior approval, shall be sampled in accordance with the Materials Sampling Manual.

**DISQUALIFICATION AND REMOVAL:**

Any material may be removed from the AML at any time. Causes for removal from the AML may include, but are not limited to the following:

- Non-conformance with specifications
- Performance requirements
- Failure to notify the Department of any change in material formulation.
- Failure of the supplier to provide proper certifications as required by this procedure
- Failing test results obtained by the Materials Section of project verification samples.
- Failure to supply current contact information for the material representative in accordance with this procedure.

**REQUALIFICATION:**

Any material which has been disqualified and/or removed from the AML will be considered for re-evaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification and/or removal have been resolved.

**DOTD MATERIALS AND TESTING SECTION COORDINATOR:**

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BRIAN OWENS, P.E.  
DOTD MATERIALS ENGINEER ADMINISTRATOR