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

HIGH FRICTION SURFACE TREATMENT (HFST) FOR ASPHALT AND CONCRETE PAVEMENTS

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Supplemental Specifications and Special Provisions.

PRELIMINARY REQUIREMENTS:

AASHTO National Transportation Products Evaluation Program (NTPEP) Product Evaluation Form

The manufacturer shall submit a standard "AASHTO National Transportation Products Evaluation Program (NTPEP) Product Evaluation Form" to the AASHTO NTPEP Coordinator. Copies are available from the NTPEP Coordinator (address listed below). The manufacturer will be contacted by the Coordinator regarding the submission of samples.

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

Louisiana DOTD Approved Materials Evaluation Form

Prior to submitting the "Approved Materials Evaluation Form" to the Materials and Testing Section, the manufacturer shall have successfully completed the requirements of AASHTO NTPEP Evaluation of PP-79 Standard Practice for High Friction Surface Treatment for Asphalt and Concrete Pavements. Laboratory results obtained by the AASHTO NTPEP will be used to determine material and system conformance to DOTD's Special Provisions.

The manufacturer shall submit a standard "Approved Materials Evaluation Form" to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Approved Materials List. The Approved Materials Evaluation Form can be viewed or downloaded at:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Materials_Lab/Pages/QP_Eval_Form.aspx

Product Data Sheets

Include product data sheets to provide all pertinent information relative to the product to be evaluated; including, but not limited to:

- Manufacturer's specifications,
- Mixing instructions,
- Intended use of product,
- Typical analysis,
- Safety Data Sheet (SDS).

Certification and/or Test Reports

The manufacturer shall provide a NTPEP report showing the required physical and chemical properties for the HFST's individual materials and system's performance.

Sample (to be furnished at no cost to the Department)

Submit a sufficient amount of each component A and B to ensure a minimum of 4 Liters (1 gallon) of mixed epoxy at the recommended mixing ratio to the Materials and Testing Laboratory. Additional material may be required for a field evaluation.

Laboratory Testing

The sample will be tested for the properties required in the Special Provisions. All epoxy samples will undergo an infrared ray analysis for comparison purposes and the aggregate may be tested if questionable.

Field Evaluation

The Department may require a field evaluation to ensure satisfactory installation and performance of the product prior to placement on the Approved Materials List. The compatibility of the product in reference to bonding of materials for a period of time will be a factor in acceptance of the product.

Evaluation Time

Laboratory testing - 2 weeks

Field Evaluation - 3 months

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Approved Materials List. The Department reserves the right to reevaluate any product at any time. The Department must be notified in writing of any change in material formulation. Significant changes may require reevaluation of the material.

PROJECT ACCEPTANCE REQUIREMENTS:
Qualification of a product/system is not blanket approval for its use. High Friction Surface Treatments sent to a project will be sampled in accordance with the Special Provisions. Final acceptance of each lot or shipment is dependent upon test results which shall conform to the established specification requirements and which identify the sample as being representative of the product originally approved.

DISQUALIFICATION:
Any product may be removed from the Approved Materials List for non-conformance with specifications and/or unsatisfactory field performance.

REQUALIFICATION:

A product which has been disqualified and removed from the Approved Materials List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing removal have been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR

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3/21/16

Approved: Samuel B. Cooper, Jr., Ph.D., P.E. Date
Director, LTRC