

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

THERMOPLASTIC PAVEMENT MARKINGS

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Subsection 1015.10, 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 Product Evaluation & Audit Solutions (formerly NTPEP) results

The address of the contact affiliated with AASHTO Product Evaluation & Audit Solutions is:

AASHTO Product Evaluation & Audit Solutions Coordinator
AASHTO Product Evaluation & Audit Solutions
555 12th St. NW
Suite 1000
Washington, D.C. 20004
Phone: (202) 624-5800
<https://transportation.org/product-evaluation-and-audit-solutions/>

For detailed information, refer to the Operational Procedures of the AASHTO Product Evaluation & Audit Solutions available from the AASHTO Product Evaluation & Audit Solutions Coordinator.

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

TEST REQUIREMENTS:

Laboratory Evaluation

Laboratory results obtained by the AASHTO Product Evaluation & Audit Solutions will be used to determine conformance to DOTD Standard Specification, Subsection 1015.10 with the following exceptions:

- The 50 / 50 percent ratio Type 1 / 3 intermix beads is not required for the evaluation, but the manufacturer shall be required to incorporate the blend into the approved product.

Field Evaluation

Thermoplastic pavement marking field testing results from the AASHTO Product Evaluation & Audit Solutions will be evaluated for retroreflection, color, and durability. These results will be used to determine acceptability by the Department according to the following:

PROPERTY	INTERVAL	SPECIFICATION ¹	
		White	Yellow
Retroreflectivity (mcd / m ² / lx)	Initial (min)	250	175
	24 months (min)	100	100
Color (x , y)	12 months	ASTM D6628	ASTM D6628
Luminance (Y%)	Initial (min)	50	30
Durability	24 months (min)	7	7

1 – Average of skip line readings from asphalt and PCC test deck

Evaluation Time – 2 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, including updated contact information for the manufacturer’s representative responsible for the material. The Department reserves the right to re-evaluate any 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.

PROJECT ACCEPTANCE REQUIREMENTS:

The inclusion of any material on the AML is not blanket approval for its use. All products, 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
- Unsatisfactory field performance
- 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 Department 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 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 removal have been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR

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Kristopher Wascom, P.E.
DOTD MATERIALS ENGINEER ADMINISTRATOR