

**New Hampshire Department of Transportation
Bureau of Materials & Research**

Qualified Products List (QPL) – Qualification Criteria

Section 401 – Plant Mix Pavements - General, NHDOT Specifications

QPL Category: 401.B. – Asphalt Release Agent

Product Requirements

Product Description

Asphalt Release Agents (ARA's) facilitate the release of Hot Mix Asphalt (HMA) from:

- Truck beds transporting HMA material
- Production plant equipment
- Roadway paving equipment (pavers, rollers, and hand tools)

ARA products shall be:

- Non-Petroleum
- Non-Stripping, or separate the asphalt from the aggregate in paving mixtures (removing the binding capability of the asphalt mixture)
- Non-Hazardous – environmental or health related (See Environmental Compliance below)

Laboratory Test Performance

Asphalt Release Agent Performance Test NTPEP Tested to Non-Diluted form (ready to use) per manufacturer recommendation		
Property	Test Method	Non-Diluted Percent Weight Change
Stripping Test (Gravimetric) Non-Diluted Percent Weight Change	AASHTO T383	Maximum 1%

or

Asphalt Release Agent Performance Test NTPEP Tested to Dilution ratio per manufacturer recommendation		
Property	Test Method	Diluted Percent Weight Change
Stripping Test (Gravimetric) Diluted Percent Weight Change	AASHTO T383	Maximum 1%

Environmental Compliance

An ARA product shall comply with all applicable New Hampshire Department of Environmental (NHDES), United States Environmental Protection Agency (EPA), and the Globally Harmonized System (GHS) requirements.

Asphalt Release Agent Environmental Compliance	
Agency/System	Notable Requirements
EPA	Contain no components exceeding EPA acceptable limits and contain no Polychlorinated Biphenyls (PCB's).
GHS	Shall meet GHS ratings as outlined in NTPEP's Work plan/User Guide.

Required Submissions

Only complete product submittal packets will be considered for review.

The following documents shall be included in the on-line submittal for review by the Department's Product Evaluation Unit (PEU) in consideration of qualifying the product for inclusion in the QPL:

QPL Product Submittal Form

The submitted form must be the current, on-line version of the form, and must be completely filled out. It can be accessed at: <https://www.nh.gov/dot/org/projectdevelopment/materials/research/products.htm>.

Letter of Compliance

A Notarized letter on the manufacturer's letterhead affirming the product meets all Department requirements described herein.

Product Literature

Current product literature, including technical data sheets and Safety Data Sheets (SDS), relevant to the material's use, limitations, properties, storage, mixing, application/installation, and all precautions for the product, as applicable.

Laboratory Test Results

Product submittals without the required laboratory test documentation will not be reviewed.

Laboratory Testing

The PEU will obtain and review the required test results from the AASHTO National Transportation Product Evaluation Program (NTPEP). Visit www.ntpep.org for information about submitting products to this program.

Product Performance Monitoring/Removal from QPL

Product field performance and the product's technical data will be monitored by the Department. If either fails to meet the criteria noted herein, the product will be immediately removed from the QPL without notice to the manufacturer.

Changes to Product Name, Manufacturer, or Formulation, of a Currently-Listed QPL Product

The PEU shall be contacted immediately when a change to any of the following is made to a product currently listed in the QPL:

- Product name
- Product manufacturer
- Product formulation

For a change in the product name and/or manufacturer, the product will remain in the QPL reflecting that change only upon receipt of verification from the current or new manufacturer attesting the product formulation is unchanged. Verification shall consist of a letter signed by the manufacturer's representative.

For a change in product formulation, the PEU will determine whether:

1. The formulation change could adversely affect the product's required performance, whereupon it will be subject to removal from the QPL; or,
2. The formulation change will not adversely affect the required performance of the product for its intended use, whereupon the product will remain in the QPL.

If at any time it is determined that a product name, manufacturer, or formulation has changed without the required notification to the PEU, the product is subject to immediate removal from the QPL at the discretion of the PEU. The product will not be re-listed in the QPL until the manufacturer provides complete, updated information.

QPL Expiration Date / Product Test Frequency

Qualified products in this QPL section will be listed for *5 years* from the date of the most current laboratory test results documentation. Based on this date, a corresponding expiration date will be assigned and will be shown in the QPL. For the product to be listed in the QPL past its assigned expiration date, the supplier/manufacturer shall submit new NTPEP laboratory test results documentation that verifies conformance with the current qualification criteria.

The test results documentation shall be submitted with sufficient lead time prior to the expiration date to allow for the PEU's review. Products without current acceptable lab test results documentation will be removed from the QPL upon reaching the expiration date.

Product Marking and Labeling

The product label shall be marked with the information as required by the applicable specification(s). If a product was converted and/or relabeled from its original manufacturer, the product name on all labels and all accompanying literature shall be that of the convertor or private label company.

Limitations

The Department continues to evaluate its qualification criteria as well as products that have been qualified against them, and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice. Qualification of a product does not constitute an endorsement of the product, nor does it imply intent to purchase or specify the product.

Qualification Criteria Approved by:

Joseph R Blair
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Dennis E Herrick
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