

New Hampshire Department of Transportation  
Bureau of Materials & Research

Qualified Products List (QPL) - Qualification Criteria

Section 403 – Hot Bituminous Pavement, NHDOT Specifications

QPL Category: 403.C. Item 403.6 – Pavement Joint Adhesive

**Product Requirements**

Product Description

A pavement joint adhesive shall be a hot applied, bituminous product, its use specified for adhering to, and sealing, cold, longitudinal, construction joints in asphalt concrete pavements.

Laboratory Test Performance

Pavement Joint Adhesive		
Property	Test Method	Required Value
Cone Penetration, 25°C	ASTM D 5329	60 -100
Flow, 60°C	ASTM D 5329	5 mm max.
Resilience, 25°C	ASTM D 5329	30% min.
Ductility, 4°C	ASTM D 113	30 cm min.
Tensile Adhesion, 25°C	ASTM D 5329	500% min.
Softening Point	ASTM D 36	77°C min.
Asphalt Compatibility	ASTM D 5329	PASS

**Required Submissions**

*Only complete product submittal packets will be considered for review.*

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 here: <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

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

Laboratory Test Results

Product submittals without laboratory test documentation will not be reviewed.

**Laboratory Testing**

As part of the evaluation, the Department will review the submitted, required, laboratory test results. Laboratory testing may be conducted through the AASHTO National Transportation Product Evaluation Program (NTPEP), a State transportation agency, or appropriately qualified independent testing laboratory. Test results must be submitted on the testing laboratory's letterhead and the documentation demonstrating that the product meets these requirements must be legible and current. Qualifications of the independent laboratory must also be submitted for review.

### **QPL Expiration Date/Product Test Frequency**

A qualified product is listed until the expiration date noted in the QPL. Products without current acceptable laboratory results will be removed. To remain listed in the QPL, manufacturers are required to submit laboratory test documentation verifying conformance with the qualification criteria *every 5 years*. Pavement joint adhesive products that have not been laboratory tested in accordance with this requirement will not be evaluated.

### **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 Department's Product Evaluation Unit (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 on the QPL reflecting that change upon receipt of verification from the current or new manufacturer attesting the product formulation is unchanged. This verification shall be in letter form and 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 Product Evaluation Unit. The product will not be re-listed on the QPL until the manufacturer provides the proper notification.

### **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 of the packaging 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:



Chief of Materials Technology, Bureau of Materials & Research



Administrator, Bureau of Materials & Research