

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

Qualified Products List – Qualification Criteria

Section 413 – Hot-Poured Crack Sealant

A. ITEM 413.1 – HOT-POURED CRACK SEALANT

B. ITEM 413.2 – HOT-POURED CRACK SEALANT (LOW MODULUS)

Specification - 2010 NHDOT Standard Specifications for Road and Bridge Construction, Section 413

Material not covered by an asphalt pavement overlay shall meet the requirements of AASHTO M 324 (ASTM D6690) Type II.

Material covered by an asphalt pavement overlay shall be low modulus conforming to AASHTO M 324 (ASTM D6690) Type IV except cone penetration shall be 110-150.

Required Submissions

QPL Product Submittal Form

The submitted form must be completely filled out and must be the current version of the form. The QPL Product Submittal Form can be obtained at www.nh.gov/dot/research.

Product Literature

Submit any product literature that is relevant to evaluation of the product.

Letter of Compliance

Submit a notarized letter, on manufacturer's letterhead, that affirms that the product meets all requirements described herein.

MSDS

Submit complete MSDS information for the submitted product.

Lab Test Results

Submit independent test results showing conformance with the applicable specifications. Qualifications of the independent lab must be submitted for review. Results from the National Transportation Product Evaluation Program (www.ntpep.org) or other State Transportation agencies may be acceptable.

Qualification Criteria

Documentation

The Department will review submitted documentation and lab test results.

Field Trail

Upon verification of specification conformance, a field trail will be required. The Department will allow the crack sealant to be applied on a project as an alternative to a currently qualified sealant. This application could occur on a project being conducted under contract or by NHDOT maintenance forces. Although the Department will arrange for this field trial, the manufacturer is responsible for coordinating with the contractor or NHDOT maintenance forces as to schedule and supply of material.

The manufacturer shall be present for this trial application and shall verify that the product is installed in accordance with NHDOT specifications and manufacturer's published installation procedures.

The manufacturer shall notify the Bureau of Materials & Research at least 1 week prior to the scheduled field trial so that staff can be present to evaluate the product application.

A representative field sample from the test site shall be taken in the presence of Bureau of Materials & Research staff. The field sample shall be taken after the material has reached the application temperature specified by the manufacturer and sealing operations have commenced. The field sample shall be comprised of 3-8 oz. ointment tins filled to capacity with the product. The tins shall be covered with tight fitting lids and sealed with tape to prevent contamination. Each of the tins shall be clearly labeled with the manufacturer, product name, project name and number, and date sampled. A certificate of compliance (refer to <http://www.nh.gov/dot/business/contractors.htm>) stating that the product meets all specification requirements, shall accompany the field sample.

Following a one-year trial period, the sealant performance will be evaluated. Characteristics of particular concern include the sealant's bond and ability to resist cracking.

Upon successful completion of the one-year trial period, general use of the product may be allowed on a provisional basis for one year. The product will not appear on the Qualified Products List during the provisional period. Instead, a letter will be provided to the manufacturer explaining that provisional use is being allowed for the specified period of time.

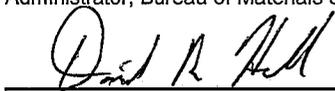
A final review of product performance will be conducted at the completion of the second year. If product performance has been acceptable, the product may be added to the next issue of the Qualified Products List.

Qualification Criteria Approved by:



Administrator, Bureau of Materials & Research

Qualification Criteria Accepted by:



FHWA, NH Division

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.