

**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

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.

MSDS

Submit complete MSDS information for the submitted product.

Test Results

Submit independent test results showing conformance with the applicable specifications. Results from the National Transportation Product Evaluation Program (NTPEP) or other State Transportation agencies may be acceptable.

Qualification Criteria

Documentation

The Department will review submitted documentation to assure conformance with specifications.

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. It is the responsibility of the manufacturer to work with a Contractor or with NHDOT maintenance forces to set up this field trial.

Prior to conducting this trial, the Bureau of Materials & Research will review the manufacturer's proposed test application to assure that the site and application conditions are representative of typically specified applications for this type of product.

The manufacturer shall provide the Bureau of Materials & Research with adequate notice so that staff can be present to evaluate the product application.

A representative field sample from the test site shall be taken during application. 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 shall accompany the field sample stating that the product meets all specification requirements.

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

Approved by: *Alan D. Rawson*
Administrator

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.