

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

**Qualified Products List – Qualification Criteria**

**Section 562 – Silicone Joint Sealant**

**A. ITEM 562.1 - SILICONE JOINT SEALANT (TYPE NS (NON-SAG), FOR VERTICAL AND HORIZONTAL JOINTS)**

**B. ITEM 562.1 - SILICONE JOINT SEALANT (TYPE SL (SELF-LEVELING), FOR HORIZONTAL JOINTS)**

**Specification**

Silicone joint sealant shall meet the requirements of ASTM D 5893 and shall be a product listed on the Qualified Products List. Silicone joint sealant for horizontal joints shall be either Type NS (Non-Sag) or Type SL (Self-Leveling). Silicone joint sealant for vertical joints shall be Type NS (Non-Sag).

Silicone joint sealants shall be concrete gray in color.

**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](http://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 test results from an independent lab, demonstrating that all specification requirements are met. If the manufacturer recommends the use of a primer, the test results shall clearly indicate what primer was used so that it can be listed for use in conjunction with the sealant. The qualifications of the independent lab must also be submitted for review. Alternatively, laboratory test results from another State transportation agency or the AASHTO National Transportation Product Evaluation Program (NTPEP) showing conformance with ASTM D5893 may be submitted.

**Qualification Criteria**

Documentation

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

Field Trial

Upon verification of specification conformance, a field trial will be required. The Department will allow the sealer 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 application.

Prior to conducting the trial, the Department will review the manufacturer's proposed test application to assure that the joint configuration and application conditions are representative of typically specified applications for this type of product.

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

Following a two-year trial period, the sealer application and performance will be evaluated for qualification.

Approved by: *Alan D. Rawson*  
Bureau 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.