

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

Qualified Products List (QPL) – Qualification Criteria

Section 520 - Portland Concrete Cement, NHDOT Standard Specifications

Chemical Admixtures

QPL Category: 520.C Air Entraining Admixtures

Air-entraining admixtures shall meet the requirements of AASHTO M 154 (ASTM C260)

QPL Category: 520.D Water Reducing Admixtures

Water Reducing Admixtures shall meet the requirements of AASHTO M 194 Type A (ASTM C494 Type A)

QPL Category: 520.E Retarding Admixtures

Retarding Admixtures (Water Reducing and Retarding effects) shall meet the requirements of AASHTO M 194 Type D (ASTM C494 Type D)

QPL Category: 520.F Water-Reducing, High-Range Admixtures

Water-Reducing, High-Range Admixtures shall meet the requirements of AASHTO M 194 Type F & G (ASTM C494 Type F & G)

QPL Category: 520.G Corrosion Inhibitors

Corrosion Inhibitor Admixtures shall meet the requirements to ASTM C1582 (**NTPEP does not perform this test**)

Required Submissions

Only complete product submittal packets will be considered for review.

The product supplier/manufacturer shall forward the following documents to the Department's Product Evaluation Unit (PEU) for review in consideration of qualifying a product to be QPL listed.

QPL Product Submittal Form

The submitted form must be the current, on-line version, please fill out all sections of the form. 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

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 laboratory test documentation will not be reviewed.

Laboratory Testing

As part of the evaluation, the Department will review the submitted, required, laboratory test results. All Laboratory testing shall be conducted through the AASHTO National Transportation Product Evaluation Program (NTPEP), with the exception of ASTM C 1582 testing that shall be performed by a 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 be submitted for review.

Product Performance Monitoring/Removal from QPL

Product field performance and 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 Name, or Product Formulation of a Currently Listed QPL Product

Contact the PEU immediately when the following changes occur:

- Product name – to process a product name change, the manufacture shall send documentation stating the new name prior to a revision appearing in the QPL.
- Manufacturer name- to process a manufacturer name change, the manufacture shall send documentation stating the new name prior to a revision appearing in the QPL.
- Product formulation – a product formulation change will require the manufacture to send documentation stating the formulation changed, the PEU will review the product documentation for adverse product performance. If product performance was detrimental to the products intended use, the product will be removed from the QPL.

QPL Expiration Date / Product Test Frequency

Qualified products will list for 5 years from the date of the most current test result documentation. A corresponding expiration date will be assigned next to the qualified product. For a product to QPL list past an assigned expiration date, the supplier/manufacturer shall submit new NTPEP and Independent laboratory test results conforming to current qualification criteria requirements. The test result documentation shall be submitted with sufficient lead time prior to the expiration date to allow for the PEU's review. Products without current acceptable 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.

Notification

Use of qualified admixtures is contingent upon approval of a concrete mix design that includes the admixture as a component.

Qualification Criteria Approved by:

Chief of Materials Technology, Materials & Research, on 9/23/2022

Bureau Administrator, Materials & Research, on 9/23/2022