## Concrete Admixtures

### Product Acceptance Criteria & Information

Products on the Concrete Admixtures list (CADD) are required to be tested through AASHTO’s National Transportation Evaluation Program (NTPEP). In addition, CADDs must remain current with NTPEP’s policy regarding periodic re‐testing as required by the program. Please include the results of NTPEP testing with submittal.

### MaineDOT Standard Specifications (2014) Section(s): 701 – Structural Concrete Repair

Concrete admixtures will be tested in accordance with the following as appropriate:

- **AASHTO M 194, ASTM C494**
  - Type A – Water‐reducing admixtures
  - Type B – Retarding admixtures
  - Type C – Accelerating admixtures
  - Type D – Water‐reducing and retarding admixtures
  - Type E – Water‐reducing and accelerating admixtures
  - Type F – Water‐reducing, high range admixtures
  - Type G – Water‐reducing, high range, and retarding admixtures
  - Type S – Specific performance admixtures

- **AASHTO M 307, ASTM C1240**
  - Silica Fume admixtures

- **AASHTO M 154, AASHTO T 157**
  - Air‐Entraining admixtures

- **ASTM E70**
  - pH is measured in a 1:20 dilution

Effective 9/30/18, all current concrete admixtures will automatically be removed from the QPL if they have not been used on a MaineDOT project within the last five years. All newly accepted concrete admixtures will automatically be removed from the list after three years, from the date of acceptance, if the product has not been used on a MaineDOT project.

**PRODUCT CONFORMITY:** At the discretion of MaineDOT, any shipment of product to a MaineDOT location may be tested, such as by infrared or gas chromatography, for compliance with the SDS and uniformity with the formulation of the approved product (where applicable).

**NOTE:** MaineDOT may require a field evaluation before final acceptance and inclusion on the Qualified Products List (QPL).

A vendor who wishes to have products preapproved for future use should contact MaineDOT’s Product Evaluation Coordinator via email at NewProducts.MaineDOT@maine.gov or by calling (207)624-3268.

Product submittals shall include: a completed New Product Evaluation form, a copy of the technical data sheet, current Safety Data Sheet (SDS), and third party, independent test results (or NTPEP test reports where applicable). **Any incomplete submittals will not be evaluated for inclusion on MaineDOT’s Product Lists.**

All reports shall be issued and signed by an authorized laboratory representative. The report shall also include the physical and/or chemical requirements stated herein.

Any change in a product, such as formulation, shall require re‐testing (through NTPEP if required) and resubmission of an independent analytical laboratory report (or NTPEP testing report) prior to purchase by MaineDOT.
MaineDOT requires re-certification by all manufacturers every five years (except for electrodes used for field welding which are recertified every year) to ensure that product names and formulations have remained the same since the product was originally placed on this list and that products are still relevant and in production. This shall include the most recent NTPEP testing. NTPEP provides for retesting of this product category on a 5-year basis. A lapse of NTPEP test results may result in disqualification of the product.

The Department continues to evaluate its Acceptance Criteria and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice. Furthermore, the ability of a product to meet these requirements does not necessarily guarantee addition to the Qualified Products List. Reminder that, products once placed on the Qualified Products List are to be considered prequalified for use only, meaning that they have undergone preliminary review for compliance with MaineDOT, and AASHTO specifications. As with all products, final approval rests with the Designer, Project Manager, Supplier and/or Resident to determine if a product best suits the need of a particular project.

If you are experiencing difficulties reading or printing this page, or have questions regarding the Qualified Products List website, please contact the Product Evaluation Program Coordinator at 207-624-3268 or by email at: NewProducts.MaineDOT@maine.gov