



QCML Criteria

Epoxy-Resin Crack Sealers

For a Concrete Crack Sealer to be listed on the Qualified Construction Materials List (QCML), a product must meet the requirements of ASTM C881 & AASHTO M 235 Type IV Grade 1. This includes a requirement for a product to be evaluated by AASHTO's National Transportation Product Evaluation Program (NTPEP).

NTPEP Testing

MassDOT Research & Materials (RMS) shall evaluate the NTPEP data. The following criteria must be met as part of the product submission:

- NTPEP testing shall:
 - Performed in accordance with the Epoxy and Resin Based Adhesive Bonding Systems (ERB) workplan.
 - Testing must have specified criteria for each Type, Grade & Class for which the product will be listed.

MassDOT Requirements and Testing

Manufacturers may request MassDOT evaluation once the NTPEP testing cycle is complete. The following criteria must be met as part of the product submission:

- The manufacturer of the Concrete Crack Sealer must certify that the product is in accordance with ASTM C881 & AASHTO M 235.

Product Listing, Expiration, and Re-Approval

Once approved, the Concrete Crack Sealer will be listed on the MassDOT QCML. The product shall remain on the approved list for five (5) years unless one of the following occurs:

- If the manufacturer does not have the product reevaluated by NTPEP in accordance with the NTPEP ERB workplan.
- If the product's technology changes.
 - If the product formulation or technology changes, the manufacturer shall notify MassDOT RMS.
 - Manufacturers must resubmit products to NTPEP for testing upon any reformulation of the product.
- MassDOT RMS determines that the product no longer meets the minimum requirements.

A written request for re-approval must be submitted to the Department at least **60 days** prior to the expiration date for the product to remain on the QCML.