

QCML Criteria

Epoxy-Resin Base Bonding System for Concrete

For an Epoxy-Resin Base Bonding System (ERB) to be listed on the Qualified Construction Materials List (QCML), a product must be evaluated by AASHTO's National Transportation Product Evaluation Program (NTPEP) & meet the requirements of Subsection M4.05.5 of MassDOT's Standard Specifications.

NTPEP Testing

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

- The NTPEP product information must list the product type, grade, and class that the ERB meets.
- Product shall be tested according to AASHTO M 235.
 - Evaluation of test results shall show that the product meets Type III, IV, or V.

MassDOT Requirements

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 ERB must certify that the product is in accordance with M4.05.5.
- The product application shall list the type, grade, and class of ERB that the product intends to be approved for.

Product Listing, Expiration, and Re-Approval

Once approved, the ERB will be listed on the MassDOT QCML. The product shall remain on the approved list for three (3) 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.