



Curing/Sealing Compounds for Colored Concrete Approval Program
August 12, 2019

The Minnesota Department of Transportation (MnDOT) will only accept Curing/Sealing Compounds for Colored Concrete from the MnDOT Approved/Qualified Products List. This applies to all Curing/Sealing Compounds for Colored Concrete sold to contractors for use on MnDOT projects.

For Curing/Sealing Compounds for Colored Concrete to be approved by MnDOT, a Manufacturer must demonstrate an ability to manufacture Curing/Sealing Compounds for Colored Concrete meeting the requirements of ASTM C 1315, Type 1, Class A, with an Acrylate Polymer or Acrylate Copolymer resin per MnDOT Special Provision 3752.

The Manufacturer must comply with the following:

A. Manufacturer Quality Control Program

A written Quality Control Program that monitors a manufacturer's production shall be submitted for MnDOT approval.

B. Submittal Requirements

Manufacturer shall also submit the following for approval:

1. A 1 quart sample to the MnDOT Materials Lab,
2. The manufacturer's QC test results for the curing compound,
3. The Materials Safety Data Sheet (SDS),
4. The Technical Data Information Sheet, and
5. The Independent testing results for the submitted sample.

The following tests shall be performed according to ASTM Standards:

- C156 Test Method for Water Loss (apply at a rate of 200 ft²/gal)
- D2369 Test Method for Volatile Content of Coating
- C309 Drying Time

Submit to:

Minnesota Department of Transportation
Attention: Concrete Engineering Unit
Office of Materials & Road Research
1400 Gervais Avenue
Maplewood MN 55109
Tel. (651) 366-5576

C. Approval Procedure

The requested submittal information will be reviewed to determine approval. The submitted sample may be tested after review of the submitted information and testing. Once approved, the submitted curing compound will be added to the MnDOT Approved/Qualified Products website. Included on this site will be the approved curing compound and manufacturer name.

D. Sampling and Testing

The Manufacturer shall use an ongoing sampling program for uniformity and take test samples at an annual rate. The Manufacturer shall conduct Independent Testing for each test sample taken and submit the test results to the MnDOT Concrete Engineering Unit by **June 1st** of each year. The following tests shall be performed according to ASTM Standards:

- C156 Test Method for Water Loss (apply at a rate of 200 ft²/gal)
- D2369 Test Method for Volatile Content of Coating
- C309 Drying Time

E. Field Acceptance

If the above criteria are met successfully, the curing/sealing compound will be given tentative approval, contingent upon satisfactory performance in the field.

F. Non-Compliance

The product may be removed from the approved/qualified products list and subject to MnDOT Specifications 1608, "Unacceptable Materials" if:

1. Future samples of these materials do not meet ASTM C1315, Type 1, Class A, with an Acrylate Polymer or Acrylate Copolymer resin per MnDOT Special Provision 3752.
2. The Manufacturer fails to submit annual test results as outlined in section D.

Please note that it is the Manufacturer's responsibility to immediately notify MnDOT if any product is changed or modified, or if the product is no longer being produced. If testing determines that the product is changed or modified, the product may be immediately removed from the approved/qualified product list.

The list of approved products may be found on the MnDOT Approved/Qualified Products website at <http://www.dot.state.mn.us/products/concrete/curingcompounds.html>