



Minnesota Department of Transportation  
Approved Non-Shrink Grout Program  
October 22, 2019

The Minnesota Department of Transportation (MnDOT) will only accept non-shrink grouts from the MnDOT Approved/Qualified Products List. This applies to all grouts sold to contractors for use on MnDOT projects.

For a non-shrink grout to be approved by MnDOT, a Manufacturer must demonstrate an ability to manufacture non-shrink grout meeting the requirements of ASTM specification C1107.

The Manufacturer must comply with the following:

A. Testing

Manufacturer shall provide test results from an Independent Testing Laboratory performed according to ASTM Standards.

B. Reference Materials

Manufacturer shall submit a material sample for approval to the MnDOT Materials Lab. Also include a Materials Safety Data Sheet (MSDS) and a Technical Data Information Sheet.

C. Environmental Acceptance

The product will be evaluated by the MnDOT Office of Environmental Services using the Hazardous Evaluation Process (HEP) to determine any potential impacts that could result from use of the product. See the attached HEP for information that must be submitted before the product will be evaluated.

D. Field Acceptance

If the above criteria are met successfully, the non-shrink grout will be given tentative approval, contingent upon satisfactory performance in the field.

E. Non-Compliance

If future samples of these materials do not meet MnDOT specifications or the uniformity requirements, the product may be removed from the approved product list and subject to other failing material procedures.

Please also note that it is the manufacturer's responsibility to immediately notify MnDOT if the chemical formulation of any product is changed or modified, or if the product is no longer being produced. If our testing determines that the chemical formulation has changed, without prior notification from the manufacturer, the product may be removed from the approved product list.

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

Reference samples, test data, and certification shall be sent to:

Minnesota DOT  
Attention: MnDOT Concrete Engineering Unit  
1400 Gervais Ave.  
Maplewood MN 55109

MnDOT Office of Environmental Services  
Hazardous Evaluation Process

The MnDOT Office of Environmental Stewardship developed the Hazard Evaluation Process (HEP) as a tool to determine potential environmental impacts that could result from use of a product, and consequently, if the product is acceptable for use on MnDOT infrastructure. The following information must be submitted by the vendor in order for MnDOT to complete the HEP:

1. Vendor information
  - a. Name of Company
  - b. Address
  - c. Technical Contact Name and Telephone Number
  - d. Application Date
  - e. Product Trade Name
  - f. Product Chemical Name
  - g. Product Data Sheet
2. Provide Material Safety Data Sheets for all chemicals in the product material. Chemical component identifications must include Chemical Abstracts Service (CAS) registry numbers.
3. Metals analysis to include the eight RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) plus copper and zinc. Metals should be analyzed by EPA method 6010 or 6020 on the product as purchased. Total metal concentrations should be reported as mg/L in the final product. The lab report should include Quality Assurance sample results of laboratory blanks, duplicates, and spike recoveries.

Questions regarding the MnDOT Hazard Evaluation Process can be sent to:  
[brian.kamnikar@state.mn.us](mailto:brian.kamnikar@state.mn.us) or call 651-366-3617.