

Standard Guidelines for Product Review

Epoxy Adhesive – Pavement Markers; Section 00855.00

December 6, 2006

00855.00 – Epoxy Adhesive for Pavement Markers

ODOT allows the use of epoxy to adhere pavement markers to pavement surfaces. Since some manufacturers limit what type of product (epoxy vs bituminous) they will allow their markers to be installed with, we have set limits also. The Qualified Products List (QPL) lists these limitations, under the pavement marker section. To have your product listed in the QPL, you must show compliance with the specification listed below.

Specification:

Epoxy adhesive shall be a two-component epoxy conforming to the requirements of AASHTO M 237, except that the viscosity of the individual components at $25\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$ shall be 100 to 500 Pa•s. Types I, or II shall be used.

The methods of testing epoxy shall comply with AASHTO T 237 and the following field test:

Into an unwaxed 235 mL paper cup discharge 235 mL of mixed epoxy as prepared for application to the traffic marker. Permit the epoxy to thoroughly harden without any additional mixing. Split open the cast resin with cold chisel and hammer. If the exposed face is of uniform color the epoxy is adequately mixed. If streaks of white or black epoxy are seen, the epoxy is inadequately mixed. Correct mixing equipment deficiencies before further use.

To apply for inclusion on the QPL, submit the following:

- [Preliminary Information for Product Evaluation Form](#).
- Independent test results showing compliance with specs listed above.
- Legible copy of the MSDS.
- Spec data sheet.
- Detailed installation instructions.
- List of limitations and precautions.

Submit documentation to:

Oregon DOT
Materials Laboratory
Mike Dunning
800 Airport Road SE
Salem OR 97301-4798

<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/QPL/QPIndex.shtml>

Please send no samples at this time.