

Standard Guidelines for Product Review

Flexible Bituminous Adhesive for Pavement Markers

Section 00855

July 7, 2010

**DEPARTMENT OF
TRANSPORTATION**

Construction Services
800 Airport Road SE
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00855.00 – Flexible Bituminous Adhesive for Pavement Markers

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

Once on the QPL, testing is then performed on each project by ODOT with the Contractor's help. Failure to maintain satisfactory test results in this phase will result in removal from the QPL.

Specification:

Penetration, dmm	AASHTO T49	30 Max	77F 100 g, 5 sec.
Flexibility	ASTM D3111 (Note 1)	Pass	1" mandrel, 20F 90 deg, bend 10 sec., 1/8" x 1" x 6" specimen.
Elastic Recovery, %	ODOT TM 429	70 Min	
Bond Strength, psi	ODOT TM 432	170 Min	

- Flexibility test is modified by bending specimen through an arc of 90 degrees at a uniform rate in 10 seconds over a 1" mandrel.

To Apply:

- [ODOT Preliminary Information for Product Evaluation Form 734-5098](#)
- Independent test results showing compliance with specs listed above
- Legible copy of the MSDS
- Specification data sheet
- Detailed installation instructions
- List of limitations and precautions

Please send no samples at this time.

Send documentation to

Oregon Department of Transportation
Product Evaluation Coordinator
800 Airport Road SE
Salem, OR 97301-4798