

Standard Guidelines for Product Review  
**Flexible Bituminous Adhesive for Pavement Markers**  
**Section 00855**

July 7, 2010

**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) 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. Once on the QPL, testing is then performed with the Contractor's help, by ODOT, on each project. 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	

Note 1: 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 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.

Please send no samples at this time. Submit documentation to:

Oregon DOT  
Product Evaluation Coordinator  
800 Airport Road SE  
Salem OR 97301-4798

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