

Standard Guidelines for Product Review
Low Modulus Concrete and Crack Sealer;
Section 02060.10
November, 2016

02060.10 – Low Modulus Concrete and Crack Sealer. ODOT maintains a list of products suitable for sealing concrete bridge decks/overlays and other concrete sections. These products are typically gravity flow applied and are broomed or squeegeed into fine cracks until refusal. When sealing decks/overlays excess resin is removed and sand is broadcast to absorb residual resin and increase skid resistance. The materials may include epoxies or High Molecular Weight Methacrylates(HMWM).

Test Requirements:

<u>Test</u>	<u>Test Method</u>	<u>Requirement</u>
- Viscosity (Mixed)	ASTM D2393	< 120 Centipoises
- Tensile Elongation	ASTM D638	> or = 30%
- Tensile Strength	ASTM D638	> or = 500 psi
- Slant Shear Bond Strength	ASTM C882	>1500 psi, 14 days(Moist Cure)
- Flash Point	ASTM D3278	> 175 °F.
- Epoxy VOC Content	MSDS	0% Maximum
- HMWM VOC Content	MSDS	45% Maximum
- Pot Life	Not Identified	15 -60 Minutes
- Ambient Temperature Range	Not Identified	Recommended by Manufacturer

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

- [Preliminary information for Product Evaluation Form.](#)
- Independent Test Results for each of the specifications listed above.
- Current, legible copy of the MSDS.
- Spec data sheet.
- Detailed installation instructions and list of limitations and precautions.

Please send **no samples** at this time.

Submit documentation to:

Oregon Department of Transportation
Product Evaluation Coordinator
800 Airport Road SE
Salem OR 97301-4798
503-986-3059