

Standard Guidelines for Product Review

Grout, Epoxy;
Section 02080.10

July, 2013

02080.10 – Epoxy Grout

ODOT keeps a list of Epoxy Grouts on the Qualified Products List(QPL).

Epoxy Binder Specifications – We require all epoxy grout binder comply with the following:

- AASHTO M 235(ASTM C 881). All epoxy grout binders shall be either Type III or IV.

Epoxy Grout Specifications:

1. **Compressive Strength (ASTM C 579), Method B, Load Rate II:**
7,000 psi Minimum @ 24 hours, cured @ 73° F
2. **Compressive Modulus (ASTM C 579), Method B, Load Rate II:**
2,000,000 psi Minimum @ 7 days, cured @ 73° F
3. **Flexural Strength (ASTM C 580):**
3,100 psi Minimum @ 7 days, cured @ 73° F
4. **Flexural Modulus (ASTM C 580):**
1,250,000 psi Minimum @ 7 days, cured @ 73° F
5. **Tensile Strength (ASTM C 307):**
2,000 psi Minimum @ 7 days, cured @ 73° F
6. **Bond Strength (ASTM C 882):**
3,000 psi Minimum or Concrete Failure @ 7 days, cured @ 73° F
7. **Coefficient Of Thermal Expansion (ASTM C 531):**
17.0 x 10⁻⁶ in/in/Deg F - 19.0 x 10⁻⁶ in/in/Deg F
8. **Creep (ASTM C 1181), 400 psi, 1 year duration @ 140 Deg F:**
4.0 x 10⁻³ in/in Maximum
9. **Working Time :**
25 minutes Minimum @ 73° F

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Process - Submit the following:

- Preliminary Information for Product Evaluation Form.
- Independent Test Results showing compliance with Specs listed below.
- Legible copy of the MSDS.
- Spec Data Sheet.
- Detailed installation instructions.
- List of Limitations and Precautions.

Submit documentation to:

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