SHER-LOXANE® 800
TWO COMPONENT POLYSILOXANE

PRODUCT DESCRIPTION

SHER-LOXANE 800 is a versatile, high performance, two component polysiloxane (epoxy siloxane hybrid) that combines the properties of both a high performance epoxy and a polyurethane.

INTENDED USES

• Recommended for use on new construction, repair and field maintenance coating projects. It provides effective long-term corrosion control and weatherability.
• Can be applied directly over inorganic zincs
• <100 g/L VOC, no isocyanates
• 20°F (-5°C) cure

PRODUCT DATA

Finish: Gloss and Semi-Gloss
Colors: Wide range of colors available
Volume Solids: 90% ± 3%, mixed
VOC: <100 g/L; 0.77 lb/gal (EPA Method 24) 12gms/kilo*
*content by weight from formulation, to satisfy EC Solvent Emissions Directive
Mix Ratio: 4:1 by volume

Recommended Spreading Rate per coat:

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet mils (microns)</td>
<td>5.0 (125)</td>
<td>7.0 (175)</td>
</tr>
<tr>
<td>Dry mils (microns)</td>
<td>4.0 (100)</td>
<td>6.0 (150)</td>
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<tr>
<td>Coverage sq ft/gal (m²/L)</td>
<td>240 (6.0)</td>
<td>360 (9.0)</td>
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Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft = 1443 (35.4)

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Average Drying Times @ 5.0 mils wet (125 microns):

<table>
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<tr>
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<th>100°F (40°C)</th>
<th>120°F (50°C)</th>
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<tr>
<td>Touch:</td>
<td>3 hours</td>
<td>2.5 hours</td>
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<tr>
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<td>6 hours</td>
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<td>Pot Life*:</td>
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*Pot life is dependent upon paint temperature and mixed volume

with Standard Hardener:

Touch: 3 hours 2.5 hours 2 hours
Handle: 6 hours 5 hours 4 hours
Pot Life*: 4 hours¹ 2 hours² 1.5 hours²
Sweat-in-time: none required

with Fast Cure Hardener:

Touch: 12 hours 3 hours 1 hour
Handle: 75 hours 7 hours¹ 2 hours
Pot Life*: 8 hours⁴ 4 hours¹ 4 hours¹
Sweat-in-time: none required

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Surfacing Preparation

Surface preparation is critical to the performance of SHER-LOXANE 800. Surfaces must be clean, sound, dry and free of contaminants.

For new construction projects, recommended surfacing preparation includes:


Concrete & Masonry: Atmospheric: SSPC-SP13/NACE 6 - 4.3.1 or 4.3.2 or ICRI No. 310.2R CSP 2-3

Galvanized: Sweep blast to SSPC-SP16 with a blast profile of 1.5-3 mils (40-75 microns)

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### Application Conditions

#### Recommended Temperature (air, surface, material):
- with Standard Hardener: 77°F (25°C), 50% RH minimum
- 120°F (50°C), 50% RH maximum
- with Fast Cure Hardener: 20°F (-5°C), 10% RH minimum
- 77°F (25°C), 50% RH maximum
- At least 5°F (2.8°C) above dew point

Relative humidity: 10%–85%

Note: <10% RH will increase dry times; >85% will decrease dry times

### Approvals
- Meets USDA requirement for incidental contact
- Two coats of Sher-Loxane 800 @ 120 microns (4.7 mils) dft per coat applied direct-to-metal is in full accordance with the requirements of ISO 12944-6 (2018), C5M.

### Additional Notes
- Tint 150% tint strength with Maxitoner Colorants only into Part A. Do not exceed 15 oz/gal. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

- Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.

- Do not mix previously catalyzed material with new.

### Health and Safety
Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

### Warranty

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