



Protective & Marine Coatings
PRODUCT DATA SHEET



SHER-LOXANE® 800
TWO COMPONENT POLYSILOXANE

Revised: December 5, 2018

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

PRODUCT DATA

Finish:	Gloss
Colors:	Wide range of colors available
Volume Solids:	90% ± 3%, mixed
VOC (EPA Method 24):	<100 g/L; 0.77 lb/gal
Mix Ratio:	4:1 by volume
Typical Thickness:	
Recommended Spreading Rate per coat:	
	Minimum Maximum
Wet mils (microns)	5.0 (125) 7.0 (175)
Dry mils (microns)	4.0 (100) 6.0 (150)
~Coverage sq ft/gal (m²/L)	240 (6.0) 360 (9.0)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1443 (35.4)
<i>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</i>	
Shelf Life:	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	Part A: >200°F (93°C), PMCC Part B: 145°F (63°C), PMCC
Reducer:	Not required (MEK or Oxsol 100)
Clean Up:	MEK, MIBK, MAK, Oxsol 100
Weight:	10.90 ± 0.2 lb/gal ; 1.3 Kg/L, mixed May vary by color

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

	40°F (4.5°C)	77°F (25°C)	90°F (32°C)
	50% RH	50% RH	50% RH
Touch:	8 hours	2 hours	1.5 hours
Handle:	21 hours	6 hours	4 hours
Recoat:			
minimum:	16 hours	3 hours	1.5 hours
maximum:	1 year	1 year	1 year
Cure to service:	7-8 days	7 days	3 days
Pot Life*:		4 hours	
Sweat-in-time:		none required	

*Pot life is dependent upon temperature and mass

*If maximum recoat time is exceeded, abrade surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.*

Packaging:

- 1.25 gallons (4.7L) mixed
 - Part A:** 1 gallon (3.8L) in a 1 gallon (3.8L) container
 - Part B:** 1 quart (0.9L) container
- 5 gallons (18.9L) mixed
 - Part A:** 4 gallons (15.1L) in a 5 gallon (18.9L) container
 - Part B:** 1 gallon (3.78L) container

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

- Iron & Steel:** Atmospheric: SSPC-SP6/NACE 3/ ISO8501-1:2007 Sa 2, 2-3 mil profile (50-75 microns)
- 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 SP-16 with a blast profile of 1.5-3 mils (40-75 microns)



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<p>Airless Spray Pump.....35:1 minimum Pressure.....2000 psi minimum (137 bar) Tip0.015"-0.019" (0.38-0.48 mm)</p> <p>Conventional Spray GunBinks 95 Fluid Nozzle67 Air Nozzle.....667 Atomization Pressure.....60 psi (4 bar) Fluid Pressure.....20 psi (0.7 bar)</p> <p>Plural Component Spray Consult your SW sales or technical service representative</p> <p>Brush Brush.....Natural Bristle Note: Required film thickness may not be achieved in one coat</p> <p>Roller Cover3/8" woven with solvent resistant core</p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	<p>Temperature (air, surface, material): 40°F (4.5°C) minimum, 120°F (49°C) maximum At least 5°F (2.8°C) above dew point</p> <p>Relative humidity: 40-85% recommended <i>Note: <40% RH will increase dry times; >85% will decrease dry times</i></p>																																																																											
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	<ul style="list-style-type: none"> • Meets USDA requirement for incidental contact • Two coats of Sher-Loxane 800 @ 100 microns per coat applied direct-to-metal is in full accordance with the requirements of ISO 12944-6 (1998), Corrosivity Category C3 High. 																																																																											
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	<p>Tint 150% tint strength with Maxitoner Colorants only into Part A. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.</p> <p>Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.</p> <p>Do not mix previously catalyzed material with new.</p>																																																																											
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