



Protective & Marine Coatings
PRODUCT DATA SHEET



SHER-LOXANE® 800

TWO COMPONENT POLYSILOXANE

Revised: July 23, 2020

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	Average Drying Times @ 5.0 mils wet (125 microns):		
Colors:	Wide range of colors available	<i>with Standard Hardener:</i>		
Volume Solids:	90% ± 3%, mixed	77°F (25°C)	100°F (40°C)	120°F (50°C)
VOC:	<100 g/L; 0.77 lb/gal (EPA Method 24) 12gms/kilo*	50% RH	50% RH	50% RH
Mix Ratio:	4:1 by volume	Touch:	3 hours	2.5 hours
Typical Thickness:		Handle:	6 hours	5 hours
		Recoat:		
		minimum:	7 hours	6 hours
		maximum:	1 year	1 year
		Cure to service:	7 days	4 days
		Pot Life*:	4 hours ¹	4 hours ¹
			2 hours ²	1.5 hours ²
		Sweat-in-time:	none required	
			<i>with Fast Cure Hardener:</i>	
			20°F (-5°C)	50°F (10°C)
			10% RH	40% RH
		Touch:	12 hours	3 hours
		Handle:	75 hours	7 hours ¹
				6 hours ²
		Recoat:		
		minimum:	24 hours	9 hours
		maximum:	1 year	1 year
		Cure to service:	14 days	7 days
		Pot Life*:	8 hours	4 hours ¹
				2 hours ²
		Sweat-in-time:	none required	
			*Pot life is dependent upon paint temperature and mixed volume	
			<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>	
			<i>Drying time is temperature, humidity, and film thickness dependent.</i>	
			¹ Gloss	
			² Semi-Gloss	

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-SP16 with a blast profile of 1.5-3 mils (40-75 microns)



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APPLICATION	APPLICATION CONDITIONS																																																																																	
<p>Airless Spray Pump.....35:1 minimum Pressure.....2000 psi minimum (137 bar) Tip......015"-.019" (0.38-0.48 mm)</p> <p>Conventional Spray Gun.....Binks 95 Fluid Nozzle.....67 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 Cover.....3/8" woven with solvent resistant core</p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	<p>Recommended Temperature (air, surface, material): with Standard Hardener*: 40°F (4.5°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</p> <p>*below 77°F (25°C), for the semi-gloss sheen ONLY, you may see up to a week delay in low sheen achievability</p> <p>Relative humidity: 10%-85% <i>Note: <10% 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 @ 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. 																																																																																	
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	<p>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.</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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