



Protective & Marine Coatings
PRODUCT DATA SHEET



SHER-LOXANE® 800

TWO COMPONENT POLYSILOXANE

Revised: April 23, 2018

PRODUCT DESCRIPTION

SHER-LOXANE 800 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
- Low VOC <100 g/L, no isocyanates

PRODUCT DATA

Volume Solids:	90% ± 3%, mixed	
VOC (EPA method 24, mixed):	<100 g/L; 0.77 lb/gal	
Finish:	Gloss	
Colors:	Wide range of colors available	
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)	
NOTE:	Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.	
Mix Ratio:	4:1 by volume	
Reducer:	Not required (MEK or Oxsol 100)	
Clean Up:	MEK, MIBK, MAK, Oxsol 100	
Flash Point:	Part A: >200°F (93°C), PMCC Part B: 145°F (63°C), PMCC	
Weight:	10.90 ± 0.2 lb/gal ; 1.3 Kg/L, mixed May vary by color	
Shelf Life:	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C)	

Average Drying Times @ 5 mils wet (125 microns):	40°F (4.5°C) 40% RH	77°F (25°C) 50% RH	90°F (32°C) 40% 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	
<i>Pot life is dependent upon temperature and mass</i>			
<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>			

Packaging:	
1.25 gallons (4.7L) mixed	
Part A:	1 gallon (3.8L) in a 1 gallon container
Part B:	1 quart (0.9L)
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)



APPLICATION	APPLICATION CONDITIONS																																																																																								
<p>Airless Spray Pump..... 35:1 minimum Pressure..... 2000 psi minimum (137 bar) Tip015" - .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 tech 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>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% maximum <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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<p>The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.</p>	<p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Sheet.</p>																																																																																								