



Protective & Marine Coatings

PRODUCT DATA SHEET



SHER-LOXANE® 800

TWO COMPONENT POLYSILOXANE

Revised: August 24, 2023

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
- Can be used in immersion service - Fresh/Raw, Salt, Tap/Non-PW water types ONLY (not intended to be used as a lining)
- <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): <i>with Standard Hardener:</i>		
Colors:	Wide range of colors available		77°F (25°C)	100°F (40°C)	120°F (50°C)
Volume Solids:	90% ± 3%, mixed		50% RH	50% RH	50% RH
VOC:	<100 g/L; 0.77 lb/gal (EPA Method 24) 12gms/kilo*		Touch:	3 hours	2.5 hours
			Handle:	6 hours	5 hours
			Recoat:		
			minimum:	7 hours	6 hours
			maximum:	1 year	1 year
Mix Ratio:	4:1 by volume		Full Cure:	7 days	4 days
Typical Thickness:			Pot Life*:	4 hours ¹ 2 hours ²	4 hours ¹ 1.5 hours ²
Recommended Spreading Rate per coat:			Sweat-in-time:	none required	
	Minimum	Maximum	with Fast Cure Hardener:		
Wet mils (microns)	5.0 (125)	7.0 (175)	20°F (-5°C)	50°F (10°C)	77°F (25°C)
Dry mils (microns)	4.0 (100)	6.0 (150)	10% RH	40% RH	50% RH
~Coverage sq ft/gal (m ² /L)	240 (6.0)	360 (9.0)	Touch:	12 hours	3 hours
Theoretical coverage sq ft/gal	1443 (35.4)		Handle:	75 hours	7 hours ¹ 6 hours ²
(m ² /L) @ 1 mil / 25 microns dft			Recoat:		
<i>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</i>			minimum:	24 hours	9 hours
Shelf Life:	Part A, Gloss: 12 months, unopened Part A, Semi-Gloss: 24 months, unopened Part B: 36 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C)		maximum:	1 year	1 year
Flash Point:	Standard: 145°F (63°C), PMCC or SETA, mixed Fast Cure: 154°F (68°C), PMCC or SETA, mixed		Full Cure:	14 days	7 days
Reducer:	MEK or Oxsol 100, up to 10% by volume		Pot Life*:	8 hours	4 hours ¹ 2 hours ²
Clean Up**:	use Oxsol 100 or High Solids Compliant Thinner #1 - Fast		Sweat-in-time:	none required	
Weight:	11.22 ± 0.2 lb/gal ; 1.3 Kg/L, mixed may vary by color		<i>*Pot life is dependent upon paint temperature and mixed volume</i>		
			<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		
<i>**see Additional Notes section on next page for more information</i>					

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)
Immersion*: SSPC-SP10/NACE 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 1-2
Immersion*: SSPC-SP13/NACE 6 - 4.3.1 or 4.3.2 or ICRI No. 310.2R CSP 2-3

*Approved for use in Fresh/Raw, Salt, and Tap/Non-PW water types ONLY. Not intended to be used as a lining.



Protective & Marine Coatings

PRODUCT DATA SHEET



SHER-LOXANE® 800

TWO COMPONENT POLYSILOXANE

APPLICATION	APPLICATION CONDITIONS
Airless Spray Pump.....35:1 minimum Pressure.....2000 psi minimum (137 bar) Tip......015"-.019" (0.38-0.48 mm)	Recommended Temperature (air, surface, material): with Standard Hardener*: 50°F (10°C) minimum (50-85% RH) 120°F (50°C) maximum with Fast Cure Hardener: 20°F (-5°C) minimum (10-50% RH) 77°F (25°C) maximum At least 5°F (2.8°C) above dew point
Conventional Spray Gun.....Binks 95 Fluid Nozzle.....67 Air Nozzle.....667 Atomization Pressure.....60 psi (4 bar) Fluid Pressure.....20 psi (0.7 bar)	*Below 77°F (25°C), for the semi-gloss sheen ONLY, you may see up to a week delay in low sheen achievability.
Plural Component Spray Consult your SW sales or technical service representative	NOTE: The curing mechanism of Sherloxane 800 is driven by primarily temperature, but it is also affected by relative humidity. In making a choice of which curing agent to use, temperature is the overriding factor. For example, at low humidities (<50% RH) and above 77°F (25°C), the standard hardener should be used to give the most useable pot life for application, but the drying times may be slower than those stated on the PDS. Consult your Sherwin-Williams representative for more details.
Brush Brush.....Natural Bristle Note: Required film thickness may not be achieved in one coat	
Roller Cover.....3/8" woven with solvent resistant core	
If specific application equipment is not listed above, equivalent equipment may be substituted.	
RECOMMENDED SYSTEMS	APPROVALS
Approved Primers: Steel, Atmospheric 1 Ct. Zinc Clad II (85) 1 Ct. Zinc Clad II IV (85) 2 Cts. Sher-Loxane 800 1 Ct. Macropoxy 267 *1-2 Cts. Macropoxy 646 Steel, Atmospheric, Immersion** *1-2 Cts. Macropoxy 646 Concrete, Atmospheric, Immersion** 1-2 Cts. Macropoxy 646	<ul style="list-style-type: none">Meets USDA requirement for incidental contactTwo 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), C5MApproved topcoat for NEPCOAT Systems C and DPerformance equivalent to AWWA D102 OCS #5 & 6 finish coat
HEALTH AND SAFETY	ADDITIONAL NOTES
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.	Tint Guidance: For Atmospheric Service: 150% tint strength with Maxitoner/GIS colorants only into Part A. Do not exceed 15 oz/gal. For Immersion Service*: Tint pastel colors into white tint base only (B80W0501). Do not exceed 3 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. Part B is moisture sensitive. Do not tint. Only open when ready to be catalyzed immediately. Clean Up: VOC Restricted Areas (≤25 g/L, or ≤3%): use Oxsol 100 or High Solids Compliant Thinner #1 - Fast. Other areas (>25 g/L, or >3%): use Oxsol 100, High Solids Compliant Thinner #1 - Fast, MEK, MIBK, or MAK. Choose a solvent that is compliant in your area. Confirm compliance with state and local air quality rules before use.
WARRANTY	*Approved for use in Fresh/Raw, Salt, and Tap/Non-PW water types ONLY. Not intended to be used as a lining.
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.	DISCLAIMER
	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.