COVER	Protective & Marine	e e	P	OLYSILOXANE XLE-80 EPOXY SILOXANE		
SHERWIN WILLIAMS					B80-800 B80V800	Series Hardener
Revised: June 2	26, 2015	Pr	RODUCT I	NFORMATION	N	4.70
	PRODUCT DESCRI	PTION			Recommended Us	ES
Polysiloxane XLE-80 is a high performance, two-component, high solids epoxy siloxane that combines the properties of both a high performance epoxy and a polyurethane in one coat. Plus, it is free from isocyanates.				 For use on prepared steel surfaces in industrial environments, including: Structural steel Tank exteriors 		
 Replaces a two coat epoxy/polyurethane system High-gloss, self-priming coating High solids, <240 g/L VOC Long term color and gloss performance Corrosion and chemical resistant Outstanding application properties 				 Piping Industrial power plants Transportation Marine Conforms to AWWA D102 OCS #5 Can be applied directly over inorganic zincs Suitable for use in USDA inspected facilities 		
P RODUCT C HARACTERISTICS				FIRETEX® Hydrocarbon Coatings		
Finish: Color:	Gloss Wide range		ailable	PERF Substrate*: Steel	ORMANCE CHARACT	ERISTICS
Volume Solids: Weight Solids: VOC (EPA Metho		nixed) lb/gal, mix	ed	Surface Preparat System Tested*: 2 cts. Polysiloxar	ion*: SSPC-SP6/NACE ne XLE-80 @ 3.0-7.0 mils	
Mix Ratio:	4:1 by volum nended Spreading		coat:	*unless otherwise note	d below	
Wet mils (micro	Mir	100 (100)	Maximum 9.0 (225)	Test Name	Test Method	Results
Dry mils (micro ~Coverage sq	ns) 3.0 ft/gal (m²/L) 180	(100) (75) (4.4)	7.0 (175) 420 (10.3)	Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	80 mg loss
	age sq ft/gal 5 microns dft 1280 or roll application may ro um film thickness and u			Adhesion	ASTM D4541; ASTM D3359	1018 psi (ASTM D4541); 5A (ASTM D3359)
Drying Sch	edule @ 5.0 mils w @ 40°F/4.5°C 50°F/10°C	<u>vet (125 m</u> @ 77°F/25°C <i>50% RH</i>	<u>icrons):</u> @ C 100°F/38°C	Corrosion Weathering	ASTM D5894, 10 cycles, 3360 hours	Rating 10 per ASTM D714 for Blistering; Rating 10 per ASTM D610 for Rusting
To touch: To handle:	5 hours 2 hours 20 hours 16 hours	1 hour 4 hours	20 minutes 2 hours	Dry Heat Resistance	ASTM D2485	250°F (121°C)
To recoat: minimum:				Flexibility	ASTM D522, 180° bend, 1/2" mandrel	Passes
maximum: To cure:	14 days 14 days 10 days 7 days	14 days 7 days	7 days 7 days	Pencil Hardness	ASTM D3363	3H
If maximum recoat	time is exceeded, abrac nperature, humidity, and	le surface be	efore recoating. is dependent.	Surface Burning	ASTME84/ NFPA 255	Flame Spread Index 5; Smoke Develop- ment Index 0
Note: Pot life will be shorter with higher temperatures and larger volumes of material. Sweat-in-Time:			*2 cts. Polysiloxan	e XLE-80 @ 5.0 mils (12	5 microns) dft/ct	
	Part A: 24 months (E) unopened Factory Blended Color Store Tinted Colors: 1 Part B: 12 months, ur Store indoors at 40°F	rs: 12 mont month	ths			
	130°F (54°C), PMCC,	mixed				
	Not recommended Xylene, R2K4 or MEK	R6K10				



PRODUCT INFORMATION

4.70

Revised: June 26, 2015

YSTEMS		SURFACE PREPARATION		
Dry Film Th	ickness / ct.			
Mils	(Microns)	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.		
3 0-7 0	(75-175)	ensure adequate adhesion.		
5.0-7.0	(10-110)	Refer to product Application Bulletin for detailed surface prepara- tion information.		
2.0-4.0	(50-100)	Minimum recommended surface preparation:		
3.0-7.0	(75-175)	Iron & Steel		
	ζ γ	Atmospheric: SSPC-SP12, WJ-3 (with existing profile) or SSPC-SP 6/NACE 3, 2.0 mil (50 micron) Profile		
		Galvanized: SSPC-SP1 or blast lightly		
5.0-7.0	(125-175)	Profile Galvanized: SSPC-SP1 or blast lightly Aluminum: SSPC-SP1 or blast lightly *Masonry: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3		
		*Primer required		
		Surface Preparation Standards Condition of ISO 8501-1 Swedish Std.		
		Surface BS7070-A1 SIS055000 SSDC NACE		
		White MetalSa 3Sa 3Sp 51Near White MetalSa 2Sa 3Sp 51Commercial BlastSa 2Sp 63Brush-Off BlastSa 1Sa 1Sa 2Sp 6Hand Tool CleaningRustedC St 2C St 2Sp 2Power Tool CleaningRusted & RustedD St 2D St 3SP 3Power Tool CleaningPitted & RustedD St 3D St 3SP 3		
		Commercial Blast Sa 2 Sa 2 SP 6 3 Brush-Off Blast Sa 1 Sa 1 SP 7 4		
		Brush-Off Blast Sa 2 Sa		
		Power Tool Cleaning Rusted & Rusted D St 3 C St 3 SP 3 - Pitted & Rusted D St 3 D St 3 SP 3 -		
50.70	(125-175)	ΤιΝΤΙΝG		
3.0-7.0	(75-175)			
	·/	Tint Part A with Maxitoners at 100% tint strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.		
5.0-7.0	(125-175)			
3.0-7.0	(75-175)	Application Conditions		
		Temperature (air, surface and material):		
3.0-7.0	(75-175)	40°F (4.5°C) minimum, 120°F (49°C) maximum		
		At least 5°F (2.8°C) above dew point		
10 0-20 0	(250-500)	Relative humidity: 40% minimum, 85% maximum		
3.0-7.0	(75-175)	Refer to product Application Bulletin for detailed application information.		
		Ordering Information		
		Packaging: 5 gallons (18.9L) mixed		
		Part A: 1 gallon (3.78L) in a 1 gallon (3.78L) container 4 gallons (15.1L) in a 5 gallon (18.9L)		
		Part B: 1 quart (0.94L) and 1 gallon (3.78L)		
		Weight: 10.10 ± 0.2 lb/gal ; 1.2 Kg/L, mixed		
		SAFETY PRECAUTIONS		
tative of the p	product's use,	Refer to the MSDS 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.		
R		WARRANTY		
		The Sherwin-Williams Company warrants our products to be free of manufactur-		
		ing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defec-		
blication. Cons	ult your Sherwin-	tive 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		
ent Product Data	a Information and	OF ANY KIND IS MADE BY SHERWIN-WILLIAMS. EXPRESSED OR IMPLIED		
		STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MER-		
	Mils 3.0-7.0 2.0-4.0 3.0-7.0 5.0-7.0 5.0-7.0 3.0-7.0 5.0-7.0 3.0-7.0 3.0-7.0 3.0-7.0 3.0-7.0 3.0-7.0 3.0-7.0 3.0-7.0 3.0-7.0 3.0-7.0 10.0-20.0 3.0-7.0 10.5-7.0 3.0-7.0 10.0-20.0 3.0-7.0 10.0-20.0 3.0-7.0 10.0-20.0 3.0-7.0 10.0-20.0 3.0-7.0 10.0-20.0 3.0-7.0 10.0-20.0 3.0-7.0 10.0-20.0 3.0-7.0 10.0-20.0 3.0-7.0	Dry Film Thickness / ct. Mils (Microns) 3.0-7.0 (75-175) 2.0-4.0 (50-100) 3.0-7.0 (75-175) 5.0-7.0 (125-175) 5.0-7.0 (125-175) 3.0-7.0 (75-175) 5.0-7.0 (125-175) 3.0-7.0 (75-175) 5.0-7.0 (125-175) 3.0-7.0 (75-175) 3.0-7.0 (75-175) 3.0-7.0 (75-175) 3.0-7.0 (75-175) 3.0-7.0 (75-175) 10.0-20.0 (250-500) 3.0-7.0 (75-175)		

	Protective	Р	POLYSILOXANE XLE-80			
COVER THE EARTH	&			EPOXY	SILOXANE	
	Marine					
Sherwin Williams.	Coatings		Part A Part B	B80-800 B80V800	Series Hardener	
Revised: June 2	6, 2015	APPLICATIC	N BULLE	TIN	4.70	
	Surface Preparatio	ONS		APPLICATION CON	DITIONS	
dust, grease, dirt, adequate adhesion		dition. Remove all oil, gn material to ensure	Temperature:	maximum (air, surface) minimum, 120°F (49°C) and material) (2.8°C) above dew point	
Iron & Steel (atmospheric service) Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Ultra High Pressure Water Jetting for Steel per SSPC-SP12/NACE 5, WJ-3 (with existing			Relative humidity: 40% minimum, 85% maximum			
profile) or SSPC-S	P3 Power Tool Clean or S	SPC-SP2 Hand Tool	APPLICATION EQUIPMENT			
Clean. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils / 50 microns). Coat any bare steel the same day as it is cleaned or before flash rusting occurs. Aluminum Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1or blast lightly.			The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.			
Galvanized Steel	·	-	Reduction	Not Recomm	nended	
Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1 (recommended solvent is VM&P Naphtha) or blast lightly. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC- SP2, prime the area the same day as cleaned.			Clean Up Xylene, R2K4 or MEK R6K10 Airless Spray 30:1 pump Pressure 2800-3000 psi Hose 3/8" ID Tip 017"021"			
310.2R, CSP 1-3. Concrete and morta Remove all loose free of laitance, co curing membranes	sonry ation, refer to SSPC-SP13 Surfaces should be thoro ar must be cured at least 28 mortar and foreign mater ncrete dust, dirt, form rele , loose cement and harder voids with Steel-Seam FT	bughly clean and dry. days @ 75°F (24°C). rial. Surface must be ase agents, moisture lers. Fill bug holes, air	Filter Reduction Conventional Gun Tip and need	60 mesh Not Recomm	nended	
ASTM D4258 Star ASTM D4259 Star ASTM D4260 Star ASTM F1869 Stan Emission Rate of 0 SSPC-SP 13/Nace	ard methods listed below idard Practice for Cleanin idard Practice for Abradin idard Practice for Etching dard Test Method for Meas Concrete. 6 Surface Preparation of Concrete Surface Preparat	g Concrete. g Concrete. Concrete. suring Moisture Vapor	Atomization Fluid Pressu Reduction Brush Brush	Pressure60 psi ire20 psi Not Recomm Natural bristl Not Recomm	e	
Smooth, hard or gl abrading the surfa week before testin attacks the previou necessary. If paint	ed Surfaces ion, clean the surface of ossy coatings and surface ce. Apply a test area, allo g adhesion. If adhesion is is finish, removal of the pre- is peeling or badly weather nd treat as a new surface	s should be dulled by wing paint to dry one poor, or if this product vious coating may be ered, clean surface to	Roller Cover Reduction		vith solvent resistant core nended	
	Sa 3 Sa 3 Sa 2.5 Sa 2 Sa 2 Sa 2	dish Std. 55900 SSPC NACE SP 5 1 .5 SP 10 2 SP 6 3				

COVER PHE FIE COVER COVE	Protective & Marine)	POLYSILOXANE XLE-80 EPOXY SILOXANE			
Sherwin Williams.	Coatings			Part A Part B	B80-800 B80V800	Series Hardener
Revised: June 2	26, 2015	Αρρ		N BULLE	TIN	4.70
A	PPLICATION P ROCE	DURES			Performance	Tips
Mix contents of ear	on must be completed	nly with low sr	peed power	failure in these		
agitation.	ertain no pigment rema e four parts by volume B. Thoroughly agitate			of the gun to av cross spray at		and pinholes. If necessary,
To ensure that no unmixed material remains on the sides or bottom of the cans after mixing, visually observe the container by pouring the material into a separate container. Apply paint at the recommended film thickness and spreading				Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or po- rosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during		
rate as indicated	below: iended Spreading F				e, overthinning, climatic o	
Wet mils (micro	ns) Mini	mum Ma (100) 9	aximum 9.0 (225) 7.0 (175)		he material beyond recon	nmended pot life.
~Coverage sq f Theoretical covera (m ² /L) @ 1 mil / 25	t/gal (m²/L) 180	. ,	20 (10.3)	-	eviously catalyzed materia	al with new.
NOTE: Brush o	or roll application may rea m film thickness and uni	quire multiple formity of app	coats to earance.		e month after tinting.	
	edule @ 5.0 mils we @ @ 40°F/4.5°C 50°F/10°C	. @	<u>'ons):</u> @ 100°F/38°C		bid blockage of spray equipelor before periods of extended	
To touch: To handle: To recoat:	5 hours 2 hours 20 hours 16 hours	1 hour 2 4 hours	20 minutes 2 hours			
minimum:		4 hours 14 days	2 hours 7 days			
To cure:	10 days 7 days	7 days	7 days			
Drying time is tem Pot Life:	time is exceeded, abrade perature, humidity, and fi 4 hours @ 7 orter with higher temperatures	i <i>lm thickness d</i> 77°F (25°C)	lependent.			
Sweat-in-Time:	None re	-			uct Information sheet for	additional performance
Application of correcommended sp performance.	pating above maximu preading rate may ac	im or below dversely affe	minimum ect coating	Characteristics and properties. SAFETY PRECAUTIONS		
				Refer to the MSD	SAFETY F RECAU	TIONS
(Clean Up Instruc	PIONS			cal data and instructions are su	
Clean spills and spill	patters immediately wit	th Xylene, R2	K4. Clean	instructions.	erwin-Williams representative for	or additional technical data and
	after use with Xylene, mmendations when usi				WARRANTY	,
	Disclaimer			defects in accord	ams Company warrants our proo I with applicable Sherwin-Willia	ams quality control procedures.
based upon tests cond Such information and re pertain to the product	ecommendations set forth in lucted by or on behalf of The ecommendations set forth he offered at the time of public e to obtain the most recent	e Sherwin-Willian erein are subject f ation. Consult y	ms Company. to change and your Sherwin-	fective product or as determined by OF ANY KIND IS STATUTORY, BY	cts proven defective, if any, is li the refund of the purchase pric Sherwin-Williams. NO OTHER MADE BY SHERWIN-WILLIAM OPERATION OF LAW OR OT AND FITNESS FOR A PARTICU	e paid for the defective product WARRANTY OR GUARANTEE IS, EXPRESSED OR IMPLIED, HERWISE, INCLUDING MER-