



Revised: November 20, 2023

POLYLON HP POLYURETHANE

Part A Part B B65-525

B65V525

Series Hardener

PRODUCT INFORMATION

5.35

Recommended Systems				SURFACE PREPARATION		
Chaoli		Dry Film T <u>Mils</u>	hickness / ct. (Microns)	Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to		
	Macropoxy 646 Polylon HP Polyurethane	5.0-10.0 2.0-3.0	(125-250) (50-75)	ensure adequate adhesion. Refer to product Application Bulletin for detailed surface prepara- tion information.		
	Recoatable Epoxy Primer Polylon HP Polyurethane	4.0-6.0 2.0-3.0	(100-150) (50-75)	Minimum recommended surface preparation: * Iron & Steel: SSPC-SP6/NACE 3 * Aluminum SSPC-SP-1 * Galvanizing SSPC-SP-1		
Steel: 1 ct. 1 ct. 1-2 cts. Steel: 1 ct.	Zinc Clad II Plus Epolon II Multi-Mil Epoxy Polylon HP Polyurethane Epoxy Mastic Aluminum II	3.0-5.0 2.0-4.0 2.0-3.0 6.0	(75-125) (50-100) (50-75) (150)	* Primer required Surface Preparation Standards Condition of ISO 8501-1 Swedish Std. Surface Sa 3 Sa 3 SP5 1 2 White Metal Sa 2.5 Sa 2.5 SP 10 2 Commercial Blast Sa 2 Sa 2 SP 6 3 Brush-Off Blast Sa 1 Sa 1 Sa 1 SP 7 4 Hand Tool Cleaning Rusted C St 2 D St 2 SP 2 - Power Tool Cleaning Pitted & Rusted D St 3 D St 3 SP 3 -		
1-2 cts.	Polylon HP Polyurethane	2.0-3.0	(50-75)	Τιντινς		
	izing: Epolon II Multi-Mil Epoxy Polylon HP Polyurethane	2.0-4.0 2.0-3.0	(50-100) (50-75)	Tint Part A with Maxitoner Colorant at 100% tint strength (white tint base and clear tint base only). Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.		
Concre	te/Masonry:			Application Conditions		
1 ct.	Kem Cati-Coat HS Epoxy Filler/Sealer Polylon HP Polyurethane	10.0-20.0 2.0-3.0	0 (250-500) (50-75)	Temperature:40°F (4.5°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point 85% maximum		
			`	Refer to product Application Bulletin for detailed application information.		
	tems listed above are represer stems may be appropriate.	itative of the p	roduct's use,	ORDERING INFORMATION		
				Packaging: Part A:1 gallon (3.78L) ~2 gallon (7.56L) in a 3 gallon (11.3L) containerPart B:I/2 gallon (1.89L) and 1 gallon (3.78L)Weight:10.78 ± 0.2 lb/gal ; 1.3 Kg/L mixed, may vary with color		
				SAFETY PRECAUTIONS		
				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.		
				WARRANTY		
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 Information and Application Bulletin.			lliams Company. ect to change and ult your Sherwin-	Liability for products proven delective, if any, is limited to replacement of the delec- 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		



POLYLON HP POLYURETHANE

PART A PART B

B65-525 B65V525

SERIES HARDENER

5.35

Revised: November 20, 2023

APPLICATION BULLETIN

SURFACE PREPARATIONS

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.

Iron & Steel

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (1-2 mils / 25-50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs. Primer Required.

Previously Painted Surfaces:

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if this products attacks the previous finish, removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

Galvanized Steel

Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. 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 or before flash rusting occurs. Primer required.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910. Primer required.

Follow the standard methods listed below when applicable:

ASTM D4258 Standard Practice for Cleaning Concrete. ASTM D4259 Standard Practice for Abrading Concrete. ASTM D4260 Standard Practice for Etching Concrete.

ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.

SSPC-SP 13/Nace 6 Surface Preparation of Concrete.

ICRI No. 310.2R Concrete Surface Preparation.

Surface Preparation Standards					
	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal Near White Metal Commercial Blast Brush-Off Blast		Sa 3 Sa 2.5 Sa 2 Sa 1	Sa 3 Sa 2.5 Sa 2 Sa 1	SP 5 SP 10 SP 6 SP 7	1 2 3 4
Hand Tool Cleaning	Rusted Pitted & Rusted	C St 2 D St 2	C St 2 D St 2	SP 2 SP 2	2
Power Tool Cleaning	Rusted Pitted & Rusted	C St 3 D St 3	C St 3 D St 3	SP 3 SP 3	-

APPLICATION CONDITIONS

Temperature:

40°F (4.5°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point

Relative humidity:

85% maximum

APPLICATION EQUIPMENT

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.

Reducer*VOC Restricted Areas (≤250 g/L): use R7K111

Clean UpR6K30, MAK

*Other areas (>250 g/L): use R7K111 or Reducer #225 (R7K225). Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

Airless Spray

2400 - 3000 psi
3/8" ID
013"017"
60 mesh
As needed up to 10% by volume

Conventional Spray

Gu	n	Binks 95
Ca	р	63P
Tip		66
Ato	mization Pressure	50 - 60 psi
Flu	id Pressure	20 - 30 psi
Red	duction	As needed up to 10% by volume

Brush

Brush	Natural Bristle
Reduction	As needed up to 10% by volume

Roller

Cover	1/4" woven with solvent resistant core
Reduction	As needed up to 10% by volume

If specific application equipment is not listed above, equivalent equipment may be substituted.

www.sherwin-williams.com/protective

	SHERWIN WILLIAMS	Protective & Marine Coatings		P Part A	POLY OLYURE	LON HP THANE
	WILLIAMS			PART B	B65V525	HARDENER
	Revised: Noven	ber 20, 2023	APPLICATIO	N BULLE	TIN	5.35
1	App	LICATION PROCI	EDURES		Performance 7	ĪIPS

Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas. Surface preparation must be completed as indicated. When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the cross spray at a right angle. can. Then combine two parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Allow the material to sweat-in as indicated. Re-stir before 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 mixing, spillage, overthinning, climatic conditions, and excessive film build. If reducer is used, add only after both components have been thoroughly mixed. Apply paint at the recommended film thickness and spreading rate as indicated below: Excessive reduction of material can affect film build, appearance, and adhesion. Do not apply the material beyond recommended pot life. Recommended Spreading Rate per coat: Do not mix previously catalyzed material with new. Minimum Maximum In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Reducer #R6K30. Wet mils (microns) 3.0 (75) 4.5 (112) Dry mils (microns) 3.0 (75) 2.0 (50) ~Coverage sq ft/gal (m²/L) 380 (9.3) **570** (14.0) Theoretical coverage sq ft/gal Mixed coating is sensitive to water. Use water traps in all air lines. **1120** (27.4) (m²/L) @ 1 mil / 25 microns dft Moisture contact can reduce pot life and affect gloss and color.

When rolling this product, always maintain a wet edge to avoid roller marks. Roll as close to any cut-in areas as possible to eliminate visual imperfections. Roller application must be from a roller tray, not by pouring the material onto the surface.

5.35

Quick-Thane Urethane Accelerator is acceptable for use. See data page for details.

Refer to Product Information sheet for additional performance characteristics and properties.

SAFETY PRECAUTIONS

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

WARRANTY

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 MER-CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

CLEAN UP INSTRUCTIONS

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

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating

NOTE: Brush or roll application may require multiple coats to

achieve maximum film thickness and uniformity of appearance.

Drving Schedule @ 4.0 mils wet (100 microns):

@ 77°F/25°C

50% RH

2 hours

5 hours

12 hours

48 hours

7 days

4 hours

None required

@ 100°F/38°C

30 minutes

2 hours

2 hours

24 hours

5 days

45 minutes

@ 50°F/10°C

16 hours

24 hours

24 hours

3 days

7 days

5 hours

using.

To touch:

To handle:

To recoat:

To cure:

Pot Life:

performance.

minimum:

maximum:

Sweat-in-Time:

Clean spills and spatters immediately with Reducer #R6K30. Clean tools immediately after use with Reducer #R6K30. Follow manufacturer's safety recommendations when using any solvent.

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 Information and Application Bulletin.