



## Protective & Marine Coatings

### PRODUCT DATA SHEET



# MACROPOXY® 240

## EPOXY POLYAMIDE PRIMER

(FORMERLY COPOXY SHOP PRIMER)

Revised: February 21, 2024

### PRODUCT DESCRIPTION

**MACROPOXY 240** is an epoxy polyamide primer designed specifically for immersion service under immersion grade epoxies and polyureas. It is a fast drying coating with an extended recoatability.

### INTENDED USES

- Acceptable for use as part of a system with cathodic protection systems
- As a holding primer under linings & laminate systems
- Acceptable for use as a primer on prepared concrete
- Suitable for use in the Mining & Minerals Industry
- When an extended recoat window is required

### PRODUCT DATA

<b>Finish:</b>	Flat	<b>Average Drying Times:</b>			
<b>Colors:</b>	Gold and Buff		<b>40°F (4.5°C)</b>	<b>55°F (13°C)</b>	<b>77°F (25°C)</b>
<b>Volume Solids:</b>	72% ± 2%, mixed (ASTM-D2697-91)				<b>120°F (49°C)</b>
<b>VOC (EPA Method 24), mixed:</b>	<240 g/L; 2.0 lb/gal unreduced <320 g/L; 2.7 lb/gal, reduced 12% with Reducer #104	<b>Touch</b>	12 hours	4 hours	2 hours
<b>Mix Ratio:</b>	1:1 by volume	<b>To handle</b>	72 hours	8 hours	4 hours
<b>Typical Thickness:</b>		<b>Recoat:</b>			1 hour
<b>Recommended Spreading Rate per coat:</b>		<b>minimum (atmospheric):</b>	72 hours	8 hours	4 hours
		<b>minimum (immersion):</b>	72 hours	48 hours	24 hours
		<b>maximum*:</b>	12 months	12 months	12 months
		<b>To cure</b>	14 days	10 days	7 days
		<b>Sweat-in-time</b>	20 minutes	20 minutes	none
		<b>Pot Life</b>	3 hours	2.5 hours	2 hours
					1 hour
<b>Wet mils (microns)</b>		<i>Pot life is dependent upon temperature and mass.</i>			
<b>Dry mils (microns)</b>		<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>			
<b>~Coverage sq ft/gal (m<sup>2</sup>/L)</b>		<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
<b>Theoretical coverage sq ft/gal (m<sup>2</sup>/L) @ 1 mil / 25 microns dft</b>		<i>*Maximum recoat interval may be shorter when using a polyurea topcoat. Refer to topcoat data page for additional information.</i>			
<b>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</b>					
<b>Shelf Life:</b>	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).				
<b>Flash Point:</b>	110°F (43°C) Seta Flash, mixed				
<b>Reducer / Clean Up:</b>	Reducer #104				
<b>Weight:</b>	13.43 ± 0.2 lb/gal ; 1.6 Kg/L, mixed				

### 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// ISO8501-1:2007 Sa 2/NACE 3, 2 mil (50 micron) profile  
Immersion: SSPC-SP10// ISO8501-1:2007 Sa 2.5/NACE 2, 2 mil (50 micron) profile

Concrete & Masonry: Immersion: SSPC-SP13/NACE 6-4.3.1 or 4.3.2, or ICRI No. 310.2R, CSP 1-3



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APPLICATION			APPLICATION CONDITIONS	
<b>Airless Spray</b> Pressure.....2400 psi minimum (165 bar) Tip.....017" (0.43mm) Hose.....1/4" ID Filter.....60 mesh Reduction.....As needed, up to 12% by volume			<b>Temperature (air, surface, material):</b> 40°F (4.5°C) minimum, 120°F (49°C) maximum At least 5°F (2.8°C) above dew point	
<b>Brush*</b> Brush.....Nylon/Polyester or Natural Bristle Reduction.....Not recommended			Relative humidity: 85% maximum	
<b>Roller*</b> Cover.....3/8" woven with solvent resistant core Reduction.....Not recommended			<b>APPROVALS</b>	
<i>*Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.</i>  If specific application equipment is not listed above, equivalent equipment may be substituted.			<ul style="list-style-type: none"><li>Acceptable for use in Canadian Food Processing facilities categories: D1, D2, D3 (Confirm acceptance of specific part numbers/boxes with your SW Sales Representative)</li><li>Conforms to AWWA D102 OCS #5 Confirm specific system requirements with your SW Sales Representative</li></ul>	
RECOMMENDED SYSTEMS			ADDITIONAL NOTES	
<b>Dry Film Thickness / ct.</b>			Do not tint.	
	<b>Mils</b>	<b>(Microns)</b>	Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.	
<b>Steel, Epoxy/Epoxy, Immersion</b>			When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.	
1 Ct. Macropoxy 240	3.0-5.0	(75-125)	Do not mix previously catalyzed material with new.	
1-2 Cts. Macropoxy 646	5.0-10.0	(125-250)	For Immersion Service: (if required) Holiday test in accordance with ASTM D5162 for steel, or ASTM D4787 for concrete.	
<b>Steel, Epoxy/Urethane, Atmospheric</b>			Mix contents of each component thoroughly with low speed power agitation, making sure no pigment remains on the bottom of the can. Then combine one part by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Re-stir before using.	
1 Ct. Macropoxy 240	3.0-5.0	(75-125)	When using as a hold primer under a laminate, lining or polyurea system, apply at 1.0-1.5 mils (25-40 microns) dft maximum. Additional reduction may be required to achieve this film thickness. Contact your Sherwin Williams representative for additional information.	
1-2 Cts. Acrolon 7300	2.0-4.0	(50-100)		
<b>Steel, Epoxy/Polysiloxane, Atmospheric</b>				
1 Ct. Macropoxy 240	3.0-5.0	(75-125)		
1-2 Cts. Sher-Loxane 800	4.0-6.0	(100-150)		
<b>Steel, Epoxy/Polyaspartic, Atmospheric</b>				
1 Ct. Macropoxy 240	3.0-5.0	(75-125)		
1-2 Cts. Envirolastic 940 LV	6.0-9.0	(150-225)		
<b>Steel, Epoxy/MIO Epoxy/Topcoat, Atmospheric</b>				
1 Ct. Macropoxy 240	3.0-5.0	(75-125)		
1 Ct. Macropoxy 267	5.0	(125)		
1-2 Cts. Sher-Loxane 800	4.0-6.0	(100-150)		
Or				
1-2 Cts. Acrolon 7300	2.0-4.0	(50-100)		
<b>Steel, Epoxy/Epoxy Zinc Phosphate/Topcoat, Atmospheric</b>				
1 Ct. Macropoxy 240	3.0-5.0	(75-125)		
1 Ct. Macropoxy 4600	3.0-10.0	(75-250)		
1-2 Cts. Sher-Loxane 800	4.0-6.0	(100-150)		
Or				
1-2 Cts. Acrolon 7300	2.0-4.0	(50-100)		
<b>Steel, with Hold Primer</b>				
1 Ct. Macropoxy 240	1.0-1.5	(25-37)		
1 Ct. Dura-Plate UHS	18.0-22.0	(450-550)		
The systems listed above are representative of the product's use, other systems may be appropriate.			<b>HEALTH AND SAFETY</b>	
<b>WARRANTY</b>			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.	
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.			<b>DISCLAIMER</b>	
			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.	