



Protective & Marine Coatings
PRODUCT DATA SHEET



MACROPOXY® 267

EPOXY MICACEOUS IRON OXIDE

Revised: January 25, 2024

PRODUCT DESCRIPTION

MACROPOXY 267 is a high solids 2-pack epoxy, pigmented with a high load of micaceous iron oxide (MIO) which exhibits excellent barrier protection. The high load flake ensures protection of sharp edges, corners, and welds. Ideal for maintenance painting and fabrication shop application. Can be applied directly to marginally prepared surfaces.

INTENDED USES

- An intermediate coat in multicoat systems for atmospheric exposure in marine and heavy industrial environments

PRODUCT DATA

Finish:	Flat	Average Drying Times:			
Colors:	Gray and Dark Gray	59°F (15°C)	73°F (23°C)	95°F (35°C)	
Volume Solids:	78% ± 3%, mixed (ASTM-D2697-91)	Touch:	1.25 hours	45 minutes	30 minutes
VOC (EPA Method 24), mixed:	<250 g/L; 2.1 lb/gal	Handle:	10 hours	6 hours	3 hours
Mix Ratio:	4:1 by volume	Recoat:			
Typical Thickness:		minimum:	6 hours	4 hours	2 hours
Recommended Spreading Rate per coat:		maximum (self):	7 days		
		maximum			
		(Sher-Loxane 800):	45 days	45 days	45 days
		Pot life:	2.5 hours	1.5 hours	1 hour
		Sweat-in-time:	none required		
		<i>Pot life is dependent upon temperature and mass.</i>			
		<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>			
		<i>Drying time is temperature, humidity, and film thickness dependent.</i>			
Wet mils (microns)	Minimum	Maximum			
Dry mils (microns)	5.0 (125)	7.5 (188)			
~Coverage sq ft/gal (m²/L)	4.0 (100)	6.0 (150)			
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	208 (5.2)	312 (7.8)			
<i>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</i>					
Shelf Life:	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).				
Flash Point:	Part A: 106°F (41°C) Part B: 109°F (43°C)				
Reducer / Clean Up¹:	VOC Restricted Areas (<250 g/L): use Reducer #111				
Weight:	17.3 ± 0.2 lb/gal ; 2.08 Kg/L, mixed				
¹Other areas (<340 g/L): use Reducer #111 or M.E.K. up to 6%. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.					

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, 2-3 mil (50-75 micron) profile



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APPLICATION	APPLICATION CONDITIONS																																																									
Airless Spray Pressure.....2200 psi minimum (151 bar) Tip015"-019" (0.38-0.48 mm)	Temperature (air, surface, material): 50°F (10°C) minimum, 120°F (49°C) maximum At least 5°F (2.8°C) above dew point																																																									
Conventional Spray Atomization Pressure.....50 psi (3.4 bar) Fluid Pressure.....5 psi (0.3 bar) Reduction**As needed up to 10% by volume	Relative humidity: 90% maximum																																																									
Brush* Brush.....Natural Bristle Reduction**As needed up to 10% by volume	APPROVALS																																																									
Roller* Cover3/8" woven with solvent resistant core Reduction**As needed up to 10% by volume to aid flow and leveling	<ul style="list-style-type: none">• HA Item No 112• Complies with Norsok M501 Rev 6 System 1 as part of a 3 coat system. (System 1, System 5B, System 6A, and System 6B)																																																									
<i>*Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.</i>	ADDITIONAL NOTES																																																									
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If specific application equipment is not listed above, equivalent equipment may be substituted.	Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.																																																									
RECOMMENDED SYSTEMS	Do not mix previously catalyzed material with new.																																																									
<table><tr><th>Dry Film Thickness / ct.</th><th>Mils</th><th>(Microns)</th></tr><tr><td colspan="3">Steel, Zinc/Epoxy/Urethane, Atmospheric</td></tr><tr><td>1 Ct. Zinc Clad IV (85)</td><td>3.0-5.0</td><td>(75-125)</td></tr><tr><td>1 Ct. Macropoxy 267</td><td>5.0</td><td>(125)</td></tr><tr><td>1-2 Cts. Acrolon 7300</td><td>2.0-4.0</td><td>(50-100)</td></tr><tr><td colspan="3">Steel, Epoxy/Urethane, Atmospheric</td></tr><tr><td>1 Ct. Macropoxy 267</td><td>5.0</td><td>(125)</td></tr><tr><td>1-2 Cts. Acrolon 7300</td><td>2.0-4.0</td><td>(50-100)</td></tr><tr><td colspan="3">Steel, Epoxy/Polysiloxane, Atmospheric</td></tr><tr><td>1 Ct. Macropoxy 267</td><td>5.0</td><td>(125)</td></tr><tr><td>1-2 Cts. Sher-Loxane 800</td><td>4.0-6.0</td><td>(100-150)</td></tr><tr><td colspan="3">Steel, Zinc Phosphate/Epoxy/Urethane, Atmospheric</td></tr><tr><td>1 Ct. Macropoxy 4600</td><td>3.0-10.0</td><td>(75-250)</td></tr><tr><td>1 Ct. Macropoxy 267</td><td>5.0</td><td>(125)</td></tr><tr><td>1 Ct. Acrolon 7300</td><td>2.0-4.0</td><td>(50-100)</td></tr><tr><td colspan="3">Steel, Zinc Phosphate/Epoxy/Polysiloxane, Atmospheric</td></tr><tr><td>1 Ct. Macropoxy 4600</td><td>3.0-10.0</td><td>(75-250)</td></tr><tr><td>1 Ct. Macropoxy 267</td><td>5.0</td><td>(125)</td></tr><tr><td>1 Ct. Sher-Loxane 800</td><td>4.0-6.0</td><td>(100-150)</td></tr></table>	Dry Film Thickness / ct.	Mils	(Microns)	Steel, Zinc/Epoxy/Urethane, Atmospheric			1 Ct. Zinc Clad IV (85)	3.0-5.0	(75-125)	1 Ct. Macropoxy 267	5.0	(125)	1-2 Cts. Acrolon 7300	2.0-4.0	(50-100)	Steel, Epoxy/Urethane, Atmospheric			1 Ct. Macropoxy 267	5.0	(125)	1-2 Cts. Acrolon 7300	2.0-4.0	(50-100)	Steel, Epoxy/Polysiloxane, Atmospheric			1 Ct. Macropoxy 267	5.0	(125)	1-2 Cts. Sher-Loxane 800	4.0-6.0	(100-150)	Steel, Zinc Phosphate/Epoxy/Urethane, Atmospheric			1 Ct. Macropoxy 4600	3.0-10.0	(75-250)	1 Ct. Macropoxy 267	5.0	(125)	1 Ct. Acrolon 7300	2.0-4.0	(50-100)	Steel, Zinc Phosphate/Epoxy/Polysiloxane, Atmospheric			1 Ct. Macropoxy 4600	3.0-10.0	(75-250)	1 Ct. Macropoxy 267	5.0	(125)	1 Ct. Sher-Loxane 800	4.0-6.0	(100-150)	HEALTH AND SAFETY
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The systems listed above are representative of the product's use, other systems may be appropriate.	Refer to the SDS sheet before use.																																																									
WARRANTY	Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.																																																									
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