



# MACROPOXY<sup>®</sup> 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

<b>Finish:</b>	Flat		<b>Average Drying Times:</b>		
<b>Colors:</b>	Gray and Dark Gray		<b>59°F (15°C)</b>	<b>73°F (23°C)</b>	<b>95°F (35°C)</b>
<b>Volume Solids:</b>	78% ± 3%, mixed (ASTM-D2697-91)		<b>Touch:</b>	1.25 hours	45 minutes
<b>VOC (EPA Method 24), mixed:</b>	<250 g/L; 2.1 lb/gal		<b>Handle:</b>	10 hours	6 hours
<b>Mix Ratio:</b>	4:1 by volume		<b>Recoat:</b>		3 hours
<b>Typical Thickness:</b>			<b>minimum:</b>	6 hours	4 hours
			<b>maximum (self):</b>	7 days	
			<b>maximum (Sher-Loxane 800):</b>	45 days	45 days
			<b>Pot life:</b>	2.5 hours	1.5 hours
			<b>Sweat-in-time:</b>	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>		
	<b>Recommended Spreading Rate per coat:</b>				
		<b>Minimum</b>	<b>Maximum</b>		
<b>Wet mils (microns)</b>		<b>5.0 (125)</b>	<b>7.5 (188)</b>		
<b>Dry mils (microns)</b>		<b>4.0 (100)</b>	<b>6.0 (150)</b>		
<b>~Coverage sq ft/gal (m<sup>2</sup>/L)</b>		<b>208 (5.2)</b>	<b>312 (7.8)</b>		
<b>Theoretical coverage sq ft/gal (m<sup>2</sup>/L) @ 1 mil / 25 microns dft</b>		<b>1251 (30.7)</b>			
<i>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</i>					
<b>Shelf Life:</b>	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).				
<b>Flash Point:</b>	Part A: 106°F (41°C) Part B: 109°F (43°C)				
<b>Reducer / Clean Up<sup>1</sup>:</b>	VOC Restricted Areas (<250 g/L): use Reducer #111				
<b>Weight:</b>	17.3 ± 0.2 lb/gal ; 2.08 Kg/L, mixed				
<sup>1</sup> Other 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



**Protective & Marine Coatings**  
PRODUCT DATA SHEET



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<p><b>Airless Spray</b>            Pressure.....2200 psi minimum (151 bar)            Tip .....015"-019" (0.38-0.48 mm)</p> <p><b>Conventional Spray</b>            Atomization Pressure.....50 psi (3.4 bar)            Fluid Pressure.....5 psi (0.3 bar)            Reduction** .....As needed up to 10% by volume</p> <p><b>Brush*</b>            Brush.....Natural Bristle            Reduction** .....As needed up to 10% by volume</p> <p><b>Roller*</b>            Cover .....3/8" woven with solvent resistant core            Reduction** .....As needed up to 10% by volume to aid flow and leveling</p> <p><i>*Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.</i></p> <p><i>**VOC Restricted Areas (&lt;250 g/L): use Reducer #111. Other areas (&lt;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.</i></p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	<p><b>Temperature (air, surface, material):</b>            50°F (10°C) minimum, 120°F (49°C) maximum            At least 5°F (2.8°C) above dew point</p> <p>Relative humidity: 90% maximum</p>																																																									
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	<ul style="list-style-type: none"> <li>• HA Item No 112</li> <li>• Complies with Norsok M501 Rev 6 System 1 as part of a 3 coat system. (System 1, System 5B, System 6A, and System 6B)</li> </ul>																																																									
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