



New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

www.newguardcoatings.com

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND



MACROPOXY[®] 267

EPOXY MICACEOUS IRON OXIDE

Revised: July 26, 2022

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
VOC (EPA Method 24), mixed:	<250 g/L; 2.1 lb/gal		Handle:	10 hours	6 hours
Mix Ratio:	4:1 by volume		Recoat:		3 hours
Typical Thickness:			minimum:	6 hours	4 hours
			maximum (self):	7 days	
			maximum (Sher-Loxane 800):	45 days	45 days
			Pot life:	2.5 hours	1.5 hours
			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>		
	Recommended Spreading Rate per coat:				
		Minimum	Maximum		
Wet mils (microns)		5.0 (125)	7.5 (188)		
Dry mils (microns)		4.0 (100)	6.0 (150)		
~Coverage sq ft/gal (m²/L)		208 (5.2)	312 (7.8)		
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft		1251 (30.7)			
	<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				
	¹ 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



MACROPOXY[®] 267

EPOXY MICACEOUS IRON OXIDE

APPLICATION	APPLICATION CONDITIONS																																																									
<p>Airless Spray Pressure.....2200 psi minimum (151 bar) Tip015"-019" (0.38-0.48 mm)</p> <p>Conventional Spray Atomization Pressure.....50 psi (3.4 bar) Fluid Pressure.....5 psi (0.3 bar) Reduction**As needed up to 10% by volume</p> <p>Brush* Brush.....Natural Bristle Reduction**As needed up to 10% by volume</p> <p>Roller* Cover3/8" 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 (<250 g/L): use Reducer #111. 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.</i></p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	<p>Temperature (air, surface, material): 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>																																																									
	APPROVALS																																																									
	<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) 																																																									
	ADDITIONAL NOTES																																																									
	<p>Do not tint.</p> <p>Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.</p> <p>Do not mix previously catalyzed material with new.</p>																																																									
RECOMMENDED SYSTEMS																																																										
<table border="1"> <thead> <tr> <th>Dry Film Thickness / ct.</th> <th>Mils</th> <th>(Microns)</th> </tr> </thead> <tbody> <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 400</td> <td>3.0</td> <td>(75)</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 400</td> <td>3.0</td> <td>(75)</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> </tbody> </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 400	3.0	(75)	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 400	3.0	(75)	1 Ct. Macropoxy 267	5.0	(125)	1 Ct. Sher-Loxane 800	4.0-6.0	(100-150)	
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 400	3.0	(75)																																																								
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 400	3.0	(75)																																																								
1 Ct. Macropoxy 267	5.0	(125)																																																								
1 Ct. Sher-Loxane 800	4.0-6.0	(100-150)																																																								
The systems listed above are representative of the product's use, other systems may be appropriate.																																																										
WARRANTY	HEALTH AND SAFETY																																																									
<p>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.</p>	<p>Refer to the SDS sheet before use.</p> <p>Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.</p>																																																									
	DISCLAIMER																																																									
	<p>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.</p>																																																									