



Protective & Marine Coatings

GENERAL POLYMERS® 3479 WATER-BASED EPOXY FLOOR AND WALL COATING

PART A
PART B

GP3479
GP3479B01

SERIES
HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 3479 WATER-BASED EPOXY FLOOR AND WALL COATING is a gloss, tough and cleanable coating. GENERAL POLYMERS 3479 WATER-BASED EPOXY FLOOR AND WALL COATING has excellent hiding properties and provides a quick turnaround, economical two coat system. Its quick recoat window allows installation without interruption of other trades on vertical or horizontal surfaces. GENERAL POLYMERS 3479 WATER-BASED EPOXY FLOOR AND WALL COATING is a component of the Saniglaze wall system.

ADVANTAGES

- Excellent adhesion to most substrates
- Acceptable for use in USDA inspected facilities
- Gloss finish
- Long pot life but fast dry times
- Easy to apply, less roller lint
- Tough as epoxy but applies like a latex
- Breathable
- Provides a durable, easily cleanable surface
- Improved chemical resistance versus latex or acrylic paints
- Can be tinted

TYPICAL USES

GENERAL POLYMERS 3479 WATER-BASED EPOXY FLOOR AND WALL COATING can be used in facilities requiring sanitary floor and wall surfaces including pharmaceutical, food, beverage, healthcare, kitchens, bath and washroom areas, clean room environments and correctional / institutional facilities.

LIMITATIONS

- Substrate must be structurally sound, cured and free of bond inhibiting contaminants.
- During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 50°F (10°C). Substrate temperature must be least 5°F (3°C) above the dew point (for lower temperature installation contact General Polymers Technical Service Department).
- When required, adequate ventilation and proper clothing shall be provided.
- Extinguish all sources of ignition during the entire installation cycle.
- Strictly adhere to published coverage rates.

SURFACE PREPARATION

Proper inspection and preparation of the substrate to receive resinous material is critical. Read and follow the "Instructions for Concrete Surface Preparation" (Form G-1) for complete details.

PRODUCT CHARACTERISTICS

Color:	White Can be tinted
Mix Ratio:	2:1
Viscosity:	20,000 cps
Volume Solids:	48% ± 2%, mixed
Weight Solids:	59% ± 2%, mixed
VOC (EPA Method 24):	Unreduced:mixed <100 g/L; 0.83 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	4.5 (100)	8 (200)
~Coverage sq ft/gal (m²/L):	350 (8.9)	200 (5.1)

Coverage can vary from 4-12 mils (100-300 microns). Refer to appropriate Wall System Sheet for complete information.

Drying Schedule @ 6 mils (150 microns) wet:

	@ 73°F (23°C)	
To touch:	2-4 hours	
To recoat:	3-4 hours	
<i>If maximum recoat time is exceeded, abrade surface before recoating.</i>		
<i>Drying time is temperature, humidity, and film thickness dependent.</i>		
Pot Life:	gallon mass	6 hours @ 73°F (23°C)

Shelf Life: Part A: 12 months, unopened
Part B: 12 months, unopened
Do not allow material to freeze
Store indoors at 50°F (10°C) to 90°F (32°C)

Flash Point: >200°F (>93°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Results
Adhesion to Concrete	Excellent
Resistance to Moisture	Excellent
Thermal Shock	Excellent



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APPLICATION

APPLICATION INSTRUCTIONS

1. Premix 3479A (resin) and 3479B (hardener) separately, using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.
2. Add 2 parts 3479A (resin) to 1 part 3479B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material using a 3/8" nap roller at a spread rate of 300-350 sq. ft. per gallon to yield 4-5 mils WFT depending upon substrate.
3. Allow to cure for a minimum of 3-4 hours depending upon air movement before applying next coat.

* 3479 Water Based Epoxy Wall Coating should only be used on unpainted, porous surfaces. If the surface is painted with latex or an epoxy coating, clean and abrade the surface then apply the 3479 base coat. Strictly follow mix ratio recommendations.

INSTRUCTIONS FOR TINTING

Tint Part A with Envirotoners at 150% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color. DO NOT EXCEED 8 ounces of colorant per gallon of Part A resin.

ORDERING INFORMATION

Packaging:	
Part A:	1 gallon (3.8L) and 5 gallon (18.9L) containers
Part B:	1 gallon (3.8L) and 5 gallon (18.9L) containers
Weight:	10.4 ± 0.2 lb/gal; 1.25 Kg/L mixed, may vary by color

CLEANUP

Clean up mixing and application equipment immediately after use with soap and water.

SAFETY

Refer to the MSDS 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.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

SHIPPING

- Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.
- Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

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.

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 MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.