



Protective & Marine Coatings

GENERAL POLYMERS® 4844 PAce-Cote Polyaspartic

PART A GP4844
PART B GP4844B01

SERIES
STANDARD HARDENER

Revised September 24, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 4844 PAce-Cote is a unique high solids resin utilizing polyaspartic technology. It has been formulated to produce a fast curing, durable coating with excellent ultraviolet and weathering characteristics, matched with good chemical resistance, high temperature performance (to 300°F/149°C) and will cure at low temperatures (to 35°F/2°C). At full cure the resin will provide a highly abrasion resistant surface for use as a stand alone coating or an optional topcoat for a variety of recommended floor systems. **GENERAL POLYMERS 4844 PAce-Cote** will adhere to a properly prepared concrete substrate.

ADVANTAGES

- Fast curing
- Good chemical resistance, mechanical strengths
- Low temperature cure
- High gloss finish
- Resists hot oils and grease, live steam cleaning
- Excellent UV stability
- Excellent temperature resistance
- Acceptable for use in USDA inspected facilities

TYPICAL USES

GENERAL POLYMERS 4844 PAce-Cote can be used in food processing facilities, aircraft hangars, and cold storage areas. Other applications include industrial floors and equipment, automotive dealership and as a grout coat for **SofTop** and finish coat for other recommended systems.

LIMITATIONS

- Do not apply at greater than 15 mils WFT.
- Light colors will require 2 coats to provide hiding.
- Rapid cure. Do not mix more material than can be applied in 10-15 minutes.
- Slab on grade requires vapor/moisture barrier.
- Substrate must be structurally sound, dry and free of bond inhibiting contaminants.
- During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 35°F (2°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact the Technical Service Department).
- Strictly adhere to published coverage rates.
- If applying a second coat of 4844, the recoat window is 2-4 hours. If beyond the 4 hours, you must abrade the first coat using 60-80 grit paper/screen. If second coat is not applied until after 24 hours, use 36 grit paper.
- 4844 is a rapid cure material, you must abrade the primer or basecoat with 60-80 grit paper/screen prior to application even if within the typical recoat window. If going over an existing resinous floor, use 36 grit grit paper.
- This coating though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.

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:	Clear, Standard and Custom Colors
Mix Ratio:	2:1
Volume Solids:	97% ± 2%, mixed
Weight Solids:	98% ± 2%, mixed
VOC (EPA Method 24):	-0- g/L mixed
Viscosity, mixed:	900 cps

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	10 (250)	15 (375)
~Coverage sq ft/gal (m²/L):	160 (4.1)	105 (2.7)

Drying Schedule @ 10 mils (250 microns) wet:

	@ 73°F (23°C)
To touch:	45-55 minutes
Light traffic:	2-3 hours minimum
Wheeled traffic:	6-8 hours minimum
Water Resistance:	90 minutes
Full Cure:	3 days
<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 15-20 minutes @ 73°F (23°C)

Shelf Life:	Part A: 12 months, unopened	Part B: 12 months, unopened
	Store indoors at 50°F (10°C) to 90°F (32°C)	
Flash Point:	>250 F° (>121°C), ASTM D 93, mixed	

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Elongation	ASTM D 412	5-10%
Flammability		Self-extinguishing over concrete
Flexibility 1/8" mandrel	ASTM D 1737	Pass
Gloss @ 73°F/23°C, 50%RH	60° Gloss Meter	>90 millage points
Hardness, Shore D	ASTM D 2040	65/55
Taber Abrasion	ASTM D 4060	30 mg
Tear Strength	ASTM D 624	340 pli
Tensile Strength	ASTM D 412	3,000 psi



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APPLICATION

APPLICATION INSTRUCTIONS

GENERAL POLYMERS 4844 is a rapid cure material, when used as a topcoat over any smooth epoxy (primer or base coat) abrade with 60-80 grit paper/screen prior to application even if within the typical recoat window. If going over an older resinous floor/coating, mechanically profile the surface via grinding or use 36 grit paper.

1. Add 2 parts 4844A (resin) to 1 part 4844B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform. Do not mix more material than can be applied in 10-15 minutes (material will stiffen). **NOTE: Light colors will require 2 coats to provide hiding.**

2. Apply 4844 in a temperature controlled environment at a spread rate of 105-160 sq. ft. per gallon to yield 10-15 mils WFT maximum using a squeegee and backroll with a non-shedding 3/8" nap roller or shorter. In hot or humid conditions, apply via 18" roller in a dip and roll method from roller pan. **This material will cure faster with exposure to moisture in the air.** To avoid visible difference in texture or mix-to-mix "tie-ins" do not exceed 5 minutes from one mix to another. Use joints as natural breaks to divide sections of the floor.

* **NOTE: PAce-Cote is an extremely fast cure material, mixing and installation crews must be organized accordingly.**

NOTE: If applying a second coat of 4844, the recoat window is 2-4 hours. If beyond the 4 hours, you must abrade the first coat using 60-80 grit paper/screen. If second coat is not applied until after 24 hours, use 36 grit paper.

ORDERING INFORMATION

Packaging:	
Part A:	1 gallon (3.8L)
Part B:	1 gallon (3.8L)
Weight:	10.0 ± 0.2 lb/gal; 1.20 Kg/L mixed, may vary by color

CHEMICAL RESISTANCE

For comprehensive chemical resistance information, consult the Chemical Resistant Guide and contact the Technical Service Department.

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

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.**