



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

POLYPRIME 2180 Epoxy-Polyamine Primer

DESCRIPTION

Polyprime 2180 is a two component, liquid applied, epoxy-polyamine primer with unique penetrating characteristics.

FEATURES

- ❖ Seals Concrete
- ❖ Low Viscosity
- ❖ Excellent Adhesion

TYPICAL USE

- ❖ Concrete
- ❖ Glass Reinforced Plastics
- ❖ Polyurethane Elastomeric Surfaces
- ❖ Metal
- ❖ Plywood

COLORS

Part-A: Black, Part-B: White

PACKAGING

1 Quarts: One 1 quart (0.946 liter) can of Part-A Black Liquid, and One 1 quart (0.946 liter) can of Part-B White Liquid.

2 gallon kit: One 1 gallon (3.78 liter) can of Part-A Black Liquid, and One 1 gallon (3.78 liter) can of Part-B White Liquid.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A Black Liquid, and One 5 gallon (18.9 liter) pail of Part-B White Liquid.

MIXING

The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Polyprime 2180 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. The combined components should be thoroughly mixed using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

APPLICATION

Polyprime 2180 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Polyprime 2180 to become tack free before applying the coating.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F above the dewpoint.

Polyprime 2180 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and

TECHNICAL DATA

Coverage Rate	1 gal/300 sq.ft. 0.135 l/m ²
Pot Life, 75°F (24°C) @ 50% R.H.	60-90 min.
Dry Film Thickness per Coat	4 mils
Specific Gravity,	
Part-A	1.27
Part-B	1.85
Total Solids, Weight, ASTM D-2369	90 ± 2%
Total Solids, Volume, ASTM D-2697	84 ± 2%
Viscosity, at 80°F (24°C),	
Part-A & B combined	600 ± 200
Volatile Organic Compounds,	
ASTM D-2369-81	1.17 lbs/gal 140 gm/liter

thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE

Polyprime 2180 has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

LIMITATIONS

Not UV stable.

Surfaces must be dry, clean and free of foreign matter.

Containers that have been opened must be used as soon as possible.

Polyprime 2180 is difficult to clean up after it has cured.

Do not dilute Polyprime 2180.

Mix no more material than can be used within 45 minutes.

WARNING

This product contains Epoxy Resin and Curatives.

Polyprime 2180 Part-A and Part-B are considered Dangerous Goods. DOT regulations classify it as: **PAINT, Class 3, UN 1263, PG III, FLAMMABLE LIQUID.**

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

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