



**POLYCOAT  
PRODUCTS**  
A Division of American Polymers Corp.

**POLYPRIME 2180**  
*Two-Component  
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
- ❖ For use in SCAQMD areas, use only Polyprime 2180SC

**TYPICAL USE**

- ❖ Concrete
- ❖ Glass Reinforced Plastics
- ❖ Polyurethane Intercoat Adhesion
- ❖ 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/m<sup>2</sup>). 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 thickness of application.

**TECHNICAL DATA, POLYPRIME 2180 (250 VOC)  
(For Use Outside of SCAQMD Areas)**

Coverage Rate	1 gal/300 sq.ft. 0.135 l/m <sup>2</sup>
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

**TECHNICAL DATA, POLYPRIME 2180SC (100 VOC)  
(For Use in SCAQMD Areas)**

Coverage Rate	1 gal/300 sq.ft. 0.135 l/m <sup>2</sup>
Pot Life, 75°F (24°C) @ 50% R.H.	60-90 min.
Dry Film Thickness per Coat	4 mils
Specific Gravity,	
Part-A	1.30
Part-B	1.89
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	1200 ± 200
Volatile Organic Compounds, ASTM D-2369-81 (excluding exempt solvent)	0.83 lbs/gal 100 gm/liter

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**

Polyprime 2180 must be coated within 10 hours.

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

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*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**

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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