



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

POLYPRIME 2180 / 2180SC
*Two-Component
Epoxy-Polyamine Primer
Technical Data Sheet*

DESCRIPTION

Polyprime 2180 is a two component, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. Polyprime 2180SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards

FEATURES

- ❖Seals Concrete
- ❖Excellent Adhesion
- ❖For SCAQMD areas, use only Polyprime 2180SC
- ❖Low Viscosity

TYPICAL USE

- ❖Concrete
- ❖Polyurethane Intercoat Primer
- ❖Metal
- ❖Plywood

COLORS

Part-A: Black, Part-B: White

PACKAGING

2 Quart kit: One 1 quart (0.946 liter) can of Part-A and One 1 quart (0.946 liter) can of Part-B.

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

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

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. Polyprime 2180 must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

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). Coverage rate will depend on surface roughness and porosity. 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. Approximate tack free time is 3-5 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

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 (Based on draw down film)
POLYPRIME 2180 (250 VOC)
(For Use Outside of SCAQMD Areas)**

Coverage Rate	1 gal/300 sq.ft. 0.14 l/m ²
Pot Life at 75°F (24°C), 50% R.H.	60-90 min.
Dry Film Thickness per Coat	4 ± 1 mils 102 ± 25 microns
Specific Gravity,	
Part-A	1.27
Part-B	1.85
Total Solids by Weight, ASTM D-2369	90 ± 2%
Total Solids by Volume, ASTM D-2697	84 ± 2%
Viscosity at 75°F (24°C),	
Part-A & B combined	600 ± 200
Volatile Organic Compounds,	
ASTM D-2369-81	2.06 lbs/gal 247 gm/liter

**TECHNICAL DATA (Based on draw down film)
POLYPRIME 2180SC (100 VOC)
(For Use in SCAQMD Areas)**

Coverage Rate	1 gal/300 sq.ft. 0.14l/m ²
Pot Life at 75°F (24°C), 50% R.H.	60-90 min.
Dry Film Thickness per Coat	4 ± 1 mils 102 ± 25 microns
Specific Gravity,	
Part-A	1.30
Part-B	1.89
Total Solids by Weight, ASTM D-2369	90 ± 2%
Total Solids by Volume, ASTM D-2697	84 ± 2%
Viscosity at 75°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 when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS

Polyprime 2180 should be coated within 8-12 hours after it has become tack free.

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: **UN 1263, PAINT, Class 3, 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.

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