

Product Description

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

Features	Typical Uses
<ul style="list-style-type: none"> Excellent Adhesion For SCAQMD Areas Seals Concrete 	<ul style="list-style-type: none"> Concrete Metal Plywood

Packaging

2-Quart Kit	One 1 quart (0.946 liters) can of Side-A and One 1 quart (0.946 liters) can of Side-B
2-Gallon Kit	One 1 gallon (3.78 liters) can of Side-A and One 1 gallon (3.78 liters) can of Side-B
10-Gallon Kit	One 5 gallon (18.9 liters) pail of Side-A and One 5 gallon (18.9 liters) pail of Side-B

Color

Side-A: Black, Side-B: White

Coverage

The approximate coverage is 1 gallon/300 sqft (0.14 l/sqm) or 300 sqft/gallon. Coverage rate will depend on surface roughness and porosity.

Surface Preparation

Remove all contaminant, oil and grease from substrate. Refer to General Guidelines for complete information.

Mixing

The volume mixing ratio is 1 part Side-A to 1 part Side-B (1A:1B). Do not mix in an up and down motion.

Polyprime® 2180/2180SC Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material.

Polyprime® 2180/2180SC must always be mixed with one part Side-A to one part Side-B (1A:1B). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

Application

Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Technical Data (Based on Draw Down Film)

	Polyprime® 2180	Polyprime® 2180SC
Coverage Rate	1 gal/300 sqft 0.14 l/sqm	1 gal/300 sqft 0.14 l/sqm
Dry Film Thickness per Coat	4 ± 1 mils 102 ± 3 microns	4 ± 1 mils 102 ± 3 microns
Mixing Ratio	1A : 1B	1A:1B
Pot Life at 75°F (24°C), 50% RH	60-90 min	60-90 min
Specific Gravity, Side-A Side-B	1.27 ± 0.1 1.85 ± 0.1	1.30 ± 0.1 1.89 ± 0.1
Total Solids by Weight, ASTM D2369	90 ± 2%	90 ± 2%
Total Solids by Volume, ASTM D2697	84 ± 2%	84 ± 2%
Viscosity at 75°F (24°C)	600 ± 200 cps	1200 ± 200 cps
Volatile Organic Compounds, ASTM D2369-81	1.17 lb/gal 140 gm/liters	0.83 lb/gal 100 gm/liters

Allow Polyprime® 2180/2180SC 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® 2180/2180SC 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.

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

Cleanup

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



Storage

Polyprime® 2180/2180SC has a shelf life of 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® 2180/2180SC should be coated within 12-16 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® 2180/2180SC is difficult to clean up after it has cured. Do not dilute Polyprime® 2180/2180SC. Mix no more material than can be used within 20 minutes.

Warning

This product contains Epoxy Resin and Curatives.

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. 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, instructions, and project specific recommendations.

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