

## Product Description

Polyprime® 21 is a two-component, high solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. Polyprime® 21 is ANSI/NSF 61 approved for direct contact with potable water.

Features	Typical Uses
<ul style="list-style-type: none"> <li>Seamless</li> <li>Excellent Adhesion</li> <li>Low Viscosity</li> </ul>	<ul style="list-style-type: none"> <li>Concrete</li> <li>Plywood</li> </ul>

Packaging	
<b>3-Gallon Kit</b>	One 3.5 gallon pail, net fill 2 gallons (7.57 liters) of Side-A and One 1 gallon (3.78 liters) can of Side-B
<b>15-Gallon Kit</b>	Two 5 gallon (18.9 liters) pails of Side-A and One 5 gallon (18.9 liters) pail of Side-B

## Color

Side-A: Blue, Side-B: Yellow

## 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 2 parts Side-A Blue Liquid to 1 part Side-B Yellow Liquid, (2A:1B).

Polyprime® 21 Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Polyprime® 21 must always be mixed with two parts Side-A and one part Side-B (2A:1B). The combined components should be thoroughly mixed using a mechanical mixer at slow speed. Do not mix in an up and down motion.

## Application

It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Polyprime® 21 to become tack free before applying the coating. Approximate tack free time is 4-6 hours at 75°F (24°C)

## Technical Data (Based on Draw Down Film)

**Coverage Rate** 1 gal/300 sqft  
0.14 l/sqm

**Dry Film Thickness per Coat** 5 ± 1 mils  
127 ±25 microns

**Mixing Ratio** 2A : 1B

**Pot Life at 75°F (24°C), 50% RH** 20-30 min

**Hardness, ASTM D2240** 70 ± 5 Shore D

**Specific Gravity, Side-A** 1.09 ± 0.1  
**Side-B** 1.06 ± 0.1

**Total Solids by Weight, ASTM D2369** 91 ± 2%

**Total Solids by Volume, ASTM D2697** 90 ± 2%

**Viscosity at 75°F (24°C) Side-A & Side-B combined** 600 ± 50 cps

**Volatile Organic Compounds, ASTM D2369-81** 0.75 lb/gal  
90 gm/liters

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® 21 is very sensitive to heat. Higher temperatures 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® 21 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® 21 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® 21 is difficult to clean up after it has cured. Do not dilute Polyprime® 21. 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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