

REVISION 4/1/18

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
» Seamless	» Concrete
» Excellent Adhesion	» Plywood
» Low Viscosity	

PACKAGING

3-Gallon Kit

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

15-Gallon Kit

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 D-2240 70 ± 5 Shore D

Specific Gravity, Side-A 1.09 ± 0.1
Side-B 1.07 ± 0.1

Total Solids by Weight, ASTM D-2369 91 + 2%

Total Solids by Volume, ASTM D-2697 90 + 2%

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

Volatile Organic Compounds, ASTM D-2369-81 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.

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