



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

POLYPRIME 21

100% Solids

Epoxy-Polyamine Primer

DESCRIPTION

Polyprime 21 is a two component, 100% solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. The kit is comprised of three containers, 2 Parts of A and 1 Part of B.

FEATURES

- ❖ Low Odor
- ❖ Solvent Free
- ❖ Excellent Adhesion
- ❖ 100% Solids
- ❖ Low Viscosity

TYPICAL USES

- ❖ Concrete
- ❖ Glass Reinforced Plastics
- ❖ Polyurethane Elastomeric Surfaces
- ❖ Plywood

COLORS

Part-A: Blue, Part-B: Yellow

PACKAGING

3 gallon kit: Two 1 gallon (3.78 liter) cans of Part-A Blue Liquid, each containing 1 gallon and one 1 gallon (3.78 liter) can of Part-B Yellow Liquid, containing 1 gallon

15 gallon kit: Two 5 gallon (18.9 liter) pails of Part-A Blue Liquid, each containing 5 gallons and one 5 gallon (18.9 liter) pail of Part-B Yellow Liquid, containing 5 gallons

MIXING

The volume mixing ratio is 2 parts Part-A Blue Liquid to 1 part Part-B Yellow Liquid.

Polyprime 21 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Polyprime 21 must always be mixed with two parts Part-A and one part Part-B (Part-A: Part-B=2:1). 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 21 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). 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.

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

TECHNICAL DATA

Coverage Rate	1 gal/300 sq. ft. 0.135 l/m ²
Pot Life, 75°F (24°C) @ 50% R.H.	20-30 min.
Dry Film Thickness per Coat	5 ± 1 mils 127 ± 25 microns
Hardness, ASTM D-2240	70 ± 5 Shore D
Specific Gravity,	
Part-A	1.09
Part-B	1.07
Total Solids, Weight, ASTM D-2369	100%
Total Solids, Volume, ASTM D-2697	100%
Viscosity, at 75°F (24°C),	
Part-A & B combined	600 ± 50 cps
Volatile Organic Compounds, ASTM D-2369-81	0 lbs/gal

Polyprime 21 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.

EQUIPMENT 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 one (1) year from date of manufacture in original, factory sealed containers.

LIMITATIONS

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.

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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