

Product Description

Polyprime® U is a two component, high solids, liquid applied primer with unique penetrating characteristics.

Features

- Fast Re-Coat Time
- High Solids
- Low Odor
- Low Viscosity

Typical Uses

- Intercoat adhesion and re-coat primer for existing urethane systems
- When combined with Polyglaze® Hardener, Polyprime® U may be used as a quick drying concrete primer for Vehicular and Pedestrian Traffic Deck Coatings

Packaging

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

All surfaces must be free of oil, grease, dirt and other contaminants. 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® U Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Polyprime® U must always be mixed with 1 part Side-A and 1 part Side-B (1A:1B). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

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 1A:1B

Pot Life at 75°F (24°C), 50% RH 30-60 min

Specific Gravity, Side-A 1.22 ± 0.1
Side-B 0.98 ± 0.1

Total Solids by Weight, ASTM D2369 97.8% ± 2%

Total Solids by Volume, ASTM D2697 98.8% ± 2%

Viscosity at 75°F (24°C) 500 ± 100 cps

Volatile Organic Compounds, ASTM D2369-81 0.21 lb/gal
25 gm/liters

When used as a quick drying primer, mix Polyprime® U at a mix ratio of:


2-gallon (7.57 l) kit: mix Polyprime® U Side-A and Side-B, then mix in 1/2 pint (23 ml) of Polyglaze® Hardener.

10-gallon (37.85 l) kit: mix Polyprime® U Side-A and Side-B, then mix in 1 quart (95 ml) of Polyglaze® Hardener.

Application

Polyprime® U should be applied at the rate of 1 gallon (mixture of Side-A & Side-B)/300 sqft (0.14 liters/sqm). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle.

Allow Polyprime® U to become tack free before applying the coating. Approximate tack free time is 2-4 hours at 75°F (24°C) and 50% relative humidity. If the primer has been allowed to remain tack free for more than 12 hours, it is necessary to solvent wipe surface with VOC-compliant solvent and re-



prime the surface.

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

Polyprime® U 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® U 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® U should be coated within 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® U is difficult to clean up after it has cured. Do not dilute Polyprime® U. Mix no more material than can be used within 20 minutes.

Warning

This product contains Epoxy Resin and Curatives.

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