



**POLYCOAT
PRODUCTS**
A Division of American Polymers Corp.

POLYPRIME U25
Aromatic Urethane Primer

DESCRIPTION

Polyprime U25 is a two component, liquid applied primer with unique penetrating characteristics.

FEATURES

- ❖ Low Viscosity
- ❖ Excellent Adhesion
- ❖ Fast Re-coat Time

TYPICAL USES

- ❖ Concrete
- ❖ Plywood

COLORS

Part-A: Black, Part-B: White

PACKAGING

2 gallon kit: One 1 gallon (3.78 liter) can of Part-A Black Liquid, containing 1 gallon and one 1 gallon (3.78 liter) can of Part-B White Liquid, containing 1 gallon

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A Black Liquid, containing 5 gallons and one 5 gallon (3.78 liter) pail of Part-B White Liquid, containing 5 gallons

MIXING

The volume mixing ratio is: 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Polyprime U25 Part-A and Part-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. Polyprime U25 must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). Add the Polyprime U25 Part-A to the Polyprime U25 Part-B and thoroughly mix using a mechanical mixer at slow speed or at least 5 minutes, if mixed by hand.

APPLICATION

Polyprime U25 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. Do not allow the material to puddle.

Allow Polyprime U25 to dry at 70°F (21°C) and 50% relative humidity for one hour before applying the coating. Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F above the dewpoint.

Polyprime U25 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.

TECHNICAL DATA

Coverage Rate	1 gal/300 sq. ft. 0.135 l/m ²
Pot Life, 75°F (24°C) @ 50% R.H.	1-2 hours
Dry Film Thickness per Coat	4 ± 1 mils 100 ± 25 microns
Specific Gravity,	
Part-A	1.08
Part-B	0.97
Total Solids, Weight, ASTM D-2369	81 ± 2%
Total Solids, Volume, ASTM D-2697	79 ± 2%
Viscosity, at 75°F (24°C),	
Part-A & B combined	60 ± 5 cps
Volatile Organic Compounds,	
ASTM D-2369-81	1.64 lbs/gal 197 gm/liter

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

Polyprime U25 can be used for intercoat adhesion for Polycoat-Staingard 6000 and Polycoat-Staingard 6060.

EQUIPMENT CLEANUP

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

STORAGE

Polyprime U25 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 U25 is difficult to clean up after it has cured.

Do not dilute Polyprime U25.

Mix no more material than can be used within 1 hour.

WARNING

This product contains Isocyanates and Solvent.

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.

LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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