



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

POLYPRIME U22

Aromatic Urethane Primer

DESCRIPTION

Polyprime U22 is a two component, high solids, liquid applied primer with unique penetrating characteristics.

FEATURES

- ❖ High Solids
- ❖ Fast Re-coat Time
- ❖ Excellent Adhesion
- ❖ Low Odor
- ❖ Low Viscosity

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 U22 Part-A and Part-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. Polyprime U22 must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). Add the Polyprime U22 Part-A to the Polyprime U22 Part-B and thoroughly mix using a mechanical mixer at slow speed or at least 5 minutes, if mixed by hand.

APPLICATION

Polyprime U22 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 U22 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 U22 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.	20-30 min.
Dry Film Thickness per Coat	5 ± 1 mils 127 ± 25 microns
Specific Gravity,	
Part-A	1.12
Part-B	0.99
Total Solids, Weight, ASTM D-2369	95%
Total Solids, Volume, ASTM D-2697	96%
Viscosity, at 75°F (24°C),	
Part-A & B combined	600 ± 50 cps
Volatile Organic Compounds,	
ASTM D-2369-81	0.465 lbs/gal 56 gm/liter

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 U22 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 U22 is difficult to clean up after it has cured.

Do not dilute Polyprime U22.

Mix no more material than can be used within 20 minutes.

WARNING

This product contains Isocyanate.

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.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.