



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 Isocyanates & Curative materials.

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. 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, instructions, and project specific recommendations.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products' current published physical properties. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product 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 user's 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. Polycoat Products is not responsible for typographical errors. © 2020 Polycoat Products. All rights reserved. Revision 20210928.EA