



U.S. POLYMER SURFACES  
INTERNATIONAL

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# POLYSURF PRIME 2021

## Product Data Sheet

### Technical Data (Based on draw down film)

Coverage Rate	1 gal/300 sq. ft. 0.14 l/m <sup>2</sup>
Dry Film Thickness per Coat	5 ± 1 mils 127 ± 25 microns
Pot Life at 75°F (24°C), 50% R.H.	20-30 min.
Hardness, ASTM D-2240	70 ± 5 Shore D
Specific Gravity, Part-A	1.09
Part-B	1.07
Total Solids by Weight, ASTM D-2369	91%
Total Solids by Volume, ASTM D-2697	90%
Viscosity at 75°F (24°C) Part-A & Part-B combined	600 ± 50 cps
Volatile Organic Compounds, ASTM D-2369-81	0.75 lb/gal 90 gm/liter

### POLYSURF PRIME 2021

#### Two-Component, High Solids, Epoxy-Polyamine Primer

#### Product Description:

PolySurf Prime 2021 is a two-component, high solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. PolySurf Prime 2021 is ANSI/NSF 61 approved for direct contact with potable water.

#### Features:

- Seamless
- Elastomeric
- Recoatable
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas
- Chemical Resistance
- Waterproof
- Concrete Primer

#### Packaging:

3 gallon kit: One 3.5 gallon pail, net fill 2 gallons (7.57 liters) of Part-A and One 1 gallon (3.78 liter) can of Part-B  
15 gallon kit: Two 5 gallon (18.9 liter) pails of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

#### Mixing:

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

PolySurf Prime 2021 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. PolySurf Prime 2021 must always be mixed with two portions of Part-A and one portion of Part-B (Part-A: Part-B = 2:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed. Do not mix in an up and down motion.

#### Application:

PolySurf Prime 2021 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B) /300 sq. ft. (0.14 liters/m<sup>2</sup>). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow PolySurf Prime 2021 to become tack free before applying the coating. Approximate tack free time is 4-6 hours at 75°F (24°C) and 50% relative humidity.

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

PolySurf Prime 2021 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:

PolySurf Prime 2021 has a shelf life of one (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:

PolySurf Prime 2021 should be coated within 12-16 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.

PolySurf Prime 2021 is difficult to clean up after it has cured. Do not dilute PolySurf Prime 2021. Mix no more material than can be used within 20 minutes.

#### Warning:

This product contains Epoxy Resin and Curatives

POLYSURF PRIME 2021

**Limited Warranty:**

***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 U.S. Polymer Surfaces International representative or visit our website for current technical data and instructions.***

U.S. Polymer Surfaces International warrants its products to be free of manufacturing defects and that they will meet U.S. Polymer Surfaces International current published physical properties. U.S. Polymer Surfaces International warrants that its products, when properly installed by a state licensed waterproofing contractor according to U.S. Polymer Surfaces International 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 U.S. Polymer Surfaces International of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. U.S. Polymer Surfaces International 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. U.S. Polymer Surfaces International 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. U.S. Polymer Surfaces International 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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