



Product Description

Polyglaze 302 is an economical, aliphatic, single component, liquid applied, moisture cured, polyurethane surface protection coating. Please select the correct product grade which comply with VOC regulations as per federal, state, statutory bodies, county and city regulations/codes at the place of installation of product.

FEATURES

- » UV Stable
- » Excellent Color Retention
- » Excellent Weatherability

TYPICAL USES

- » Topcoat for Foam Insulation Tanks
- » Topcoat for Wine Storage Tanks

PACKAGING

1-Gallon	1 gallon (3.78 liters) can
5-Gallon	5 gallon (18.9 liters) pail
55-Gallon	55 gallon drum, net fill 50 gallons (189 liters)

Color

White

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information

Coverage

The approximate coverage is 1 gallon/100 sqft (0.41 l/sqm). Coverage rate will depend on surface roughness and porosity.

Mixing

Before application, mix Polyglaze 302 using a mechanical mixer at slow speed. Mix Polyglaze 302 thoroughly until a homogenous mixture and color is attained. Do not mix in an up and down motion.

Application

The first coat of Polyglaze 302 should be applied at the rate of 1 gallon/100 square feet (0.41 liters/square meter). For best results, airless sprayer or phenolic core roller may be used but extra care should be taken not to cause air bubbles. Apply Polyglaze 302 evenly over the entire deck. After 24 hours, proceed to the second coat.

Polyglaze 302 may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To achieve proper adhesion between coats it is imperative that re-coating be done within 48 hours.

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Coverage Rate 1 gal/100 sqft
0.41 l/sqm

Dry Film Thickness per Coat 11 ± 2 mils
279 ± 50 microns

Hardness, ASTM D-2240 90 ± 5 Shore A

Tear Resistance, Die C, ASTM D-624 300 ± 50 pli
52.5 ± 8.8 kN/m

Tensile Strength, ASTM D-412 3000 ± 300 psi
24.1 ± 2.1 MPa

Ultimate Elongation, ASTM D-412 250 ± 50%

Specific Gravity 1.28 ± 0.1

Total Solids by Weight, ASTM D-2369 80 ± 2%

Total Solids by Volume, ASTM D-2697 71 ± 2%

Viscosity at 75°F (24°C) 3500 ± 1000 cps

Volatile Organic Compounds, ASTM D-2369-81 <2.08 lb/gal
<250 gm/liters

Curing

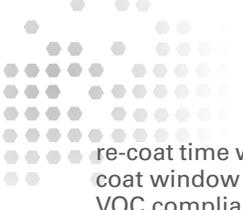
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime U before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on to the finished surface.

Uncured Polyglaze 302 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

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

If accelerated curing is required, add one quart (0.95 liter) of Polyglaze Hardener in a 5 gallon pail (18.9 liters) of Polyglaze 302 and mix thoroughly. This accelerated Polyglaze 302 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity. The



re-coat time with accelerator is reduced to 24 hours. If the re-coat window has passed, then solvent wipe the surface with VOC compliant solvent and re-prime surface with Polyprime U before proceeding to the next coat.

Cleanup

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

Storage

Polyglaze 302 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

The following conditions must not be coated with Polycoat deck coatings or systems: split slabs, buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, and non-structural lightweight concrete. On grade slabs may receive Polycoat system coatings provided a moisture-vapor transmission test is first performed. Please contact Polycoat technical department with the results.

With regard to coating asphalt surfaces, please contact Polycoat technical department.

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications. Surface may be slippery when wet. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

Warning

This product contains Isocyanates and Solvent.

Polyglaze 100/100C/100SC Clear is considered Dangerous Goods. DOT regulations classify it as: UN 1263, PAINT, Class 3, PG III, Flammable Liquid.

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