



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

- Excellent Color Retention
- Excellent Weatherability
- UV Stable

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 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 D2240 90 ± 5 Shore A

Tear Resistance, Die C, ASTM D624 300 ± 50 pli
52.5 ± 8.8 kN/m

Tensile Strength, ASTM D412 3000 ± 300 psi
24.1 ± 2.1 MPa

Ultimate Elongation, ASTM D412 250 ± 50%

Specific Gravity 1.28 ± 0.1

Total Solids by Weight, ASTM D2369 80 ± 2%

Total Solids by Volume, ASTM D2697 71 ± 2%

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

Volatile Organic Compounds, ASTM D2369-81 <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's technical department with the results.

With regard to coating asphalt surfaces, please contact Polycoat's 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.

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 20200403.EA