

Product Description

Poly-I-Gard® 295/295OF is a two component, fast setting, rapid curing and solvent free, high solids, hybrid aliphatic polyurea elastomeric membrane. Poly-I-Gard® 295/295OF can be applied to properly prepared interior or exterior concrete, plywood and metal surfaces. It is suitable for single or multiple applications, in temperatures as low as 20°F (-6.67 C) and is insensitive to moisture. Polycoat Products manufactures products in different VOC's ranging from 100 to 340 gms/liter to comply with VOC requirement in various regions. Make sure to use the correct grade of product which complies with VOC regulations/requirements applicable as per federal, state, statutory, counties, cities and local bodies at the place of installation.

FEATURES

- » Non-Gassing
- » Seamless
- » Quick Cure
- » High Solids
- » High Tensile Strength
- » Environmentally Safe
- » Meets USDA Criteria

TYPICAL USES

- » Vehicular Decks
- » Pedestrian Decks
- » Mechanical Room Floors
- » Kennels

PACKAGING

4.4-gallon kit One 5 gallon (net 4 gallons, 15.4 liters) pail of Side-A and one 1/2 gallon (net 0.4 gallon, 1.54 liters) jar of Side-B.

Color

Dolphin Grey and Tan

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

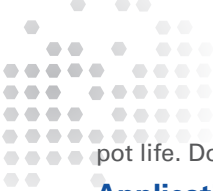
The approximate coverage is 1 gallon/100 sqft (0.41 l/sqm) or 100 sqft/gallon. Coverage rate will depend on surface roughness and porosity.

Mixing

Before application, pre-mix Side-A of Poly-I-Gard® 295/295OF using a mechanical mixer at slow speed. Add Side-B of Poly-I-Gard® 295 and continue mixing until a homogeneous mixture and color is attained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

	Poly-I-Gard® 295	Poly-I-Gard® 295OF
Mix Ratio by Volume	10A : 1B	10A : 1B
Dry Film Thickness per Coat	15 ± 2 mils 381 ± 50µ	14 ± 2 mils 356 ± 50µ
Pot Life @ 75°F (24°C), 50% R.H.	30 ± 10 minutes	30 ± 10 minutes
Cure Time @ 75°F (24°C), 50% R.H.	2-4 Hours	2-4 Hours
Total Solids by Weight, ASTM D-2669	94 ± 2%	88 ± 2%
Total Solids by Volume, ASTM D-2697	94 ± 2%	87 ± 2%
Hardness, ASTM -2240	85 ± 5 Shore A	85 ± 5 Shore A
Tensile Strength, ASTM D-412	3200 ± 200 psi 22.1 ± 1.4 MPa	3200 ± 200 psi 22.1 ± 1.4 MPa
Ultimate Elongation, ASTM 412	450 ± 50%	450 ± 50%
Adhesive Peel Strength on Primed Concrete, ASTM D-903	40 ± 10 pli 7.0 ± 1.7 kNm	40 ± 10 pli 7.0 ± 1.7 kNm
Moisture Vapor Transmission, ASTM E-96	1.54 perms	1.54 perms
Water Absorption, ASTM D-471	1.3% by weight	1.3% by weight
Tear Resistance, ASTM D-624	300 ± 20 pli 52.6 ± 8.8 kN/m	300 ± 20 pli 52.6 ± 8.8 kN/m
Volatile Organic Compounds, ASTM D-2369-81	<0.12 lb/gal <15 gm/liters	<0.5 lb/gal <60 gm/liters
U.V. Stability, Q Panel Weather O-Meter, (No cracking or crazing; no physical damage)	2000 Hours	2000 Hours



pot life. Do not mix in an up and down motion

Application

Apply Poly-I-Gard® 295/295OF evenly, over the entire deck using a 10:1 ratio machine or mixed material, then squeegee or notched trowel over the entire deck.

Requires a continuous coating application to minimize lines and/or streaking. Apply up to 1.5 gallons/100 sqft (5.67 llters/9.29 sqm) or 23 mils in a single application. To attain proper adhesion between coats, it is imperative that re-coating be done within 8-12 hours.

Curing

At 75°F (24°C) and 50% relative humidity, allow each coat to cure a minimum of 2-4 hours. Cure time will vary depending on temperature and humidity. If more than 24 hours passes between coats, reprime the surface with Polyprime U before proceeding.

Allow a minimum 16 hours before permitting light pedestrian traffic and at least 60 hours before permitting heavy pedestrian or vehicular traffic on the finished surface. Cure time will vary depending on temperature and humidity.

Poly-I-Gard® 295/295OF is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes. Do not use Polyglaze Hardener with Poly-I-Gard® 295.

Cleanup

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

Storage

Poly-I-Gard® 295/295OF 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.

Poly-I-Gard® 295/295OF Side-B is considered Dangerous Goods. DOT regulations classify it as: UN 1760, Corrosive Liquid, N.O.S. (Contains Amine), Class 8, PG III.

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