

Product Description

Poly-I-Gard® 246/246SC is a single component, liquid applied, moisture cured, aromatic polyurethane waterproof membrane. 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

- » Seamless
- » Economical
- » Elastomeric
- » Good Weatherability
- » Proven Protection

TYPICAL USES

- » Airports
- » Stadiums
- » Helicopter Pads
- » Concrete Decks
- » Heavy Auto Traffic
- » Parking Structures
- » Heavy Pedestrian Traffic

PACKAGING

1-Gallon	1 gallon (3.78 liters) can with vial of catalyst
5-Gallon	5 gallon (18.9 liters) pail with 1/2 pint (0.245 liters) of catalyst
55-Gallon	55 gallon drums, net fill 50 gallons (189 liters) with two 1/2 quarts (0.245 liter) catalyst

Color

Stone 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). Coverage rate will depend on surface roughness and porosity.

Mixing

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

	Poly-I-Gard® 246	Poly-I-Gard® 246SC
Coverage Rate	1 gal/100 sqft 0.41 l/sqm	1 gal/100 sqft 0.41 l/sqm
Dry Film Thickness per Coat	12 ± 2 mils 305 ± 50µ	14 ± 2 mils 356 ± 50µ
Hardness, ASTM -2240	90 ± 5 Shore A	90 ± 5 Shore A
Tear Resistance, Die C ASTM D-624	250 ± 50 pli 43.8 ± 8.8 kN/m	300 ± 50 pli 52.6 ± 8.8 kN/m
Tensile Strength, ASTM D-412	3000 ± 200 psi 20.7 ± 1.4 MPa	2500 ± 200 psi 17.2 ± 1.4 MPa
Ultimate Elongation, ASTM 412	450 ± 50%	500 ± 50%
Specific Gravity	1.13 ± 0.1	1.197 ± 0.1
Total Solids by Weight, ASTM D-2669	80% ± 2%	92.5% ± 2%
Total Solids by Volume, ASTM D-2697	74% ± 2%	90% ± 2%
Viscosity at 75°F (24°C)	1500 ± 500 cps	4000 ± 500 cps
Volatile Organic Compounds, ASTM D-2369-81	2.03 lb/gal 243 gm/liters	0.74 lb/gal 89 gm/liters

Before application, mix Poly-I-Gard® 246/246SC using a mechanical mixer at slow speed, until a homogeneous mixture and color is attained. Use caution not to entrap air into the material as this may result in pinhole blisters and/or shortened pot life. Do not mix in an up and down motion.

Application

For best results, use a squeegee. Airless sprayer or phenolic core roller may be used but extra care should be taken not to cause air bubbles. To avoid potential outgassing, material should be applied when concrete temperatures are descending.

Requires a continuous coating application to minimize lines and/or streaking.

Allow coating to cure 16 hours before proceeding to



subsequent coats. To attain proper adhesion between coats it is imperative that re-coating be done within 48 hours. If re-coat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime with Polyprime U.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon (18.9 liters) pail of Poly-I-Gard® 246/246SC and mix thoroughly. This accelerated Poly-I-Gard® 246/246SC will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

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.

At 75°F (24°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Poly-I-Gard® 246/246SC 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 PC-50 Accelerator is used then re-coat should be done within 12 hours after cure. If re-coat window is passed then solvent wipe the surface with VOC compliant solvent and re-prime surface with Polyprime U

Cleanup

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

Storage

Poly-I-Gard® 246/246SC 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 Polycoats' 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.

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