



**POLY-I-GARD® 295**  
**Hybrid, Aliphatic, Polyurea**  
**Waterproofing Membrane Topcoat**

**Product Description:**

Poly-I-Gard® 295 is a two component, fast setting, rapid curing and solvent free, high solids, hybrid aliphatic polyurea elastomeric membrane. Poly-I-Gard® 295 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 and is insensitive to moisture.

**Features**

- Non-Gassing
- Solvent Free
- High Solids
- Environmentally Safe
- Seamless
- Quick Cure
- Hi Tensile Strength
- Meets USDA Criteria

**Typical Uses**

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

**Colors:**

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.

**Packaging**

4.4 gallon kit: One 5 gallon (net 4 gallons) pail of Side-A and one ½ gallon (net 0.4 gallon) jar of Side-B.

**Mixing:**

Before application, pre-mix Side-A of Poly-I-Gard® 295 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 obtained. Use caution not to whip 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:**

Apply Poly-I-Gard® 295 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 sq. ft. (23 mils) in a single application. To obtain 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 48 hours passes between coats, re-prime 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 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.

**Equipment Cleanup:**

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

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

Mix Ratio by Volume	10A : 1B
Dry Film Thickness per Coat (exclusive of aggregate)	15 ± 2 mils 381 ± 50 microns
Pot Life at 75°F (24°C), 50% R.H.	30 ± 10 minutes
Cure Time at 75°F (24°C), 50% R.H.	2-4 hours
Total Solids by Weight, ASTM D-2369	94 ± 2%
Total Solids by Volume, ASTM D-2697	94 ± 2%
Hardness, ASTM D-2240	85 ± 5 Shore A
Tensile Strength, ASTM D-412	3200 ± 200 psi 22.1 ± 1.4 MPa
Ultimate Elongation, ASTM D-412	450 ± 50%
Adhesive Peel Strength on Primed Concrete ASTM D-903	40 ± 10 pli 7.0 ± 1.7 kNm
Moisture Vapor Transmission, ASTM E-96	1.54 perms
Water Absorption, ASTM D-471	1.3% by weight
Tear Resistance, ASTM D-624	300 ± 20 pli 52.6 ± 3.5 kNm
Volatile Organic Compounds, ASTM D-2369-81	< 0.12 lb/gal < 15 gm/liter
U.V. Stability, Q Panel Weather O-Meter (No cracking or crazing; no physical damage)	2000 hours

**Storage:**

Poly-I-Gard® 295 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:**

The following conditions must not be coated with Polycoat Products **deck coating systems or products**: on grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, magnesite, lightweight concrete. Asphalt surfaces and asphalt overlays may be coated with Polycoat decking systems if first coated with the Polycoat PC-IM 129.

Surfaces must be dry, clean and free of foreign matter. Surface may be slippery when wet. Will chalk, fade and discolor over time. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**Warning:**

This product contains Isocyanates and Solvent.

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

**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 Polycoat Products representative or visit our website for current technical data and instructions.*

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products 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 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 users 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.

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