



**DESCRIPTION**

PSI 306 is a two component, fast setting, rapid curing and solvent free, 100% solids hybrid aliphatic polyurea elastomeric membrane. PSI 306 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\*Can be applied at any thickness
- ❖ Seamless\*Coats green (vented) concrete
- ❖ Recoatable\*Good chemical resistance
- ❖ Meets USDA Criteria

**TYPICAL USES**

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

**COLOR**

Dolphin Grey and Tan

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

**PACKAGING**

4.4 gallon kit: One 5 gallon (net 4 gallons) pail of Side-A and one 2 gallon (net 0.4 gallon) jar of Side-B.

**MIXING**

Before application, pre-mix Side-A of PSI 306 using a mechanical mixer at slow speed. Add Side-B of PSI 306 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.

**APPLICATION**

Apply PSI 306 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.

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 24 hours passes between coats, re-prime the surface with Polyprime 21 or Polyprime 12 before proceeding.

At 75°F (24°C) and 50% relative humidity, allow a minimum 48 hours before permitting light pedestrian traffic and at least

**TECHNICAL DATA (Based on draw down film)**

Mix Ratio by Volume .....	10A : 1B
Coverage Rate .....	See Guide Specifications
Dry Film Thickness, exclusive of aggregate, Per coat at 1gal/100 sq.ft. ....	16 ± 2 mils 406 ± 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 .....	100%
Total Solids by Volume, ASTM D-2697 .....	100%
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, .....	< 0.12 lb/gal ASTM D-2369-81 < 15 gm/liter
U.V. Stability, Q Panel Weather-O-Meter .....	2000 hours (No cracking or crazing; no physical damage)

72 hours before permitting heavy pedestrian or vehicular traffic on the finished surface. Cure time will vary depending on temperature and humidity.

PSI 306 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 PSI 306.

**EQUIPMENT CLEANUP**

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

**STORAGE**

PSI 306 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**

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 Poly-Source 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, light-weight concrete, asphalt surfaces and asphalt overlays.

**WARNING**

This product contains Isocyanates.

PSI 306 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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*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 Poly-Source representative or visit our website for current technical data and instructions.*

**LIMITED WARRANTY**

Poly-Source warrants its products to be free of manufacturing defects and that they will meet Poly-Source Products current published physical properties. Poly-Source warrants that its products, when properly installed by a state licensed waterproofing contractor according to Poly-Source 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 Poly-Source of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Poly-Source 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. Poly-Source 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. Poly-Source 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 Poly-Source makes no claim that these tests or any other tests, accurately represent all environments.