



Product Description:

PSI 371 is a two component, fast setting, fast curing, solvent free, flexible, high performance, and high solids polyurethane elastomeric coating that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to its fast gel time, PSI 371 is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in a single or multiple applications. PSI 371 is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.

Features

- Non-Gassing
- Can Be Applied At Any Thickness
- Good Thermal Stability
- Good Chemical Resistance
- Meets USDA Criteria
- Excellent Low Temperature Flexibility
- Interior and Exterior Applications
- Recoatable
- Seamless

Technical Data (Based on draw down film)

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|---|----------------------------------|
| Mix Ratio by Volume | 4A : 1B |
| Coverage Rate | 1 gal/100 sq. ft. |
| Dry Film Thickness per Coat | 15 ± 2 mils 381 ± 50 microns |
| Hardness, ASTM D-2240 | 64 ± 2 Shore A |
| Tear Resistance, Die C, ASTM D-624 | 230 ± 25 pli 40.3 ± 4.4 kN/m |
| Split Tear, ASTM D-470 | 60 ± 5 pli 10.5 ± 0.9 kN/m |
| Tensile Strength, ASTM D-412 | 1500 ± 100 psi 10.3 ± 0.7 MPa |
| Ultimate Elongation, ASTM D-412 | 1000 ± 100% |
| Total Solids by Weight, ASTM D-2369 | 94% |
| Total Solids by Volume, ASTM D-2697 | 95% |
| Viscosity at 75°F (24°C) | |
| Side-A | 2500 ± 500 cps |
| Side-B | 100 ± 50 cps |
| Volatile Organic Compounds* ASTM D-2369-81 | 0.46 lb/gal 55 gm/liter |
| * Contains some high boiling colorless plasticizers | |

Typical Uses

- Vehicular Traffic Areas
- Expansion Joints
- Exterior & Interior Pedestrian Traffic Surfaces such as Walkways, Patios and Stairways
- Interior Surfaces such as Floors and Mechanical Rooms
- Sundecks & Balconies
- Stalls, Wash Racks
- Crack Repairs
- Kennel Runs

Colors

Grey. Tan color is available with minimum order of 250 gallons (945 liters).

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Poly-Source Industries for more information.

Packaging

5 gallon kit: One 5 gallon pail, net fill 4 gallons (15.12 liters) of Part-A and One 1 gallon (3.78 liters) can of Part-B.

1 gallon kit: One 1 gallon can, net fill 0.8 gallons (3 liters) of Part-A and One quart can, net fill 0.2 gallons (0.78 liters) of Part-B.

Coverage:

PSI 371 may be applied at any rate to achieve desired thickness.

Surface Preparation:

Refer to general guidelines for complete information.

Mixing:

NOTE: PSI 371 may not be diluted under any circumstances. Proportions are premeasured.

Using a mechanical mixer, first pre-mix separately Part-A and Part-B base material thoroughly to obtain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour Part-B into Part-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Part-A and Part-B mixture thoroughly until uniform color is obtained.

Do not mix in an up and down motion.

Application:

PSI 371 should be applied at a temperature of 20°F (-6°C) and above.

For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

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

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

An aggregate of 14-30 rubber granules may be broadcast into the membrane at a rate of 10 lbs. per 100 sq. ft. or to refusal. The amount of rubber used will vary.

Curing:

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before proceeding subsequent coats. 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.

Equipment Cleanup:

Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

Storage:

PSI 371 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 Poly-Source **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 Poly-Source decking systems if first coated with the PC-IM 129.

Do not open until ready to use. Any off ratio mixing of the product will affect the properties and the product may not cure. PSI 371 should be used as a base membrane only. Topcoat must be applied. PSI 371 cannot withstand direct wear and abrasion.

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, lightweight concrete, asphalt surfaces and asphalt overlays.

Warning:

This product contains Isocyanates and Curative Material.

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

Poly-Source warrants its products to be free of manufacturing defects and that they will meet Poly-Source 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.

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