



**POLYCOAT
PRODUCTS**
A Division of American Polymers Corp.

PC-280

Two Component, Solvent Free
Elastomeric Base Membrane*

DESCRIPTION

PC-280 is a two component, fast setting, rapid curing, solvent free*, flexible, high performance, and high solids urethane elastomer that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to its fast gel time, PC-280 is suitable for applications in temperatures as low as 20°F. It may be applied in a single or multiple applications. PC-280 is also relatively insensitive to moisture and temperature allowing applications in various temperatures and humidities.

FEATURES

- ❖ Non-Gassing
- ❖ Coats Green (Vented) Concrete
- ❖ Can Be Applied at Any Thickness
- ❖ Good Thermal Stability
- ❖ Good Chemical Resistance
- ❖ Meets USDA Criteria
- ❖ Excellent Low Temperature Flexibility
- ❖ Interior or Exterior Applications
- ❖ Recoatable
- ❖ Seamless

TYPICAL USES

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

COLORS

Grey. Custom colors are available upon request with minimum order quantity and additional cost may apply.

PACKAGING

5 gallon kit: One 5 gallon pail (net 4 gallons) of Part-A and one 1 gallon can of Part-B.

1 gallon kit: One 1 gallon can (net 0.8 gallons) of Part-A and one quart can (net 0.2 gallons) of Part-B.

COVERAGE

PC-280 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1520 sq. ft.

SURFACE PREPARATION

Refer to general guidelines for complete information.

MIXING

NOTE: PC-280 may NOT be diluted under any circumstances. **DO NOT ESTIMATE, proportions are premeasured.**

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

TECHNICAL DATA (Based on draw down film)

Solids by Volume	95%
Pot Life (min @ 75°F, 50% RH)	9 minutes
Tack Free Time	3-4 hours
Hardness, ASTM D-2240	80 ± 3 A
Tensile Strength, ASTM D-412	2500 ± 100 psi
Elongation, ASTM D-412	800 ± 100 %
Tear, ASTM D-624	300 ± 25 pli
Split Tear, ASTM D-470	100 ± 10 pli
Volatile Organic Compounds, ASTM D-2369-81	0.49 lb/gal 59 gm/liter

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.

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APPLICATION

For best results use a squeegee or notched trowel to spread PC-280 evenly over the entire deck.

PC-280 should be applied at a temperature of 20°F and above. Curing time will depend on temperature.

EQUIPMENT CLEAN UP

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

STORAGE

PC-280 has a shelf life of one (1) year from date of manufacture in factory sealed containers.

LIMITATIONS

Do not open until ready to use. Any off ratio mixing of the product will effect the properties and the product may not cure.

PC-280 should be used as a base membrane only. Topcoat must be applied.

PC-280 cannot withstand direct wear and abrasion.

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

WARNING

This product contains Isocyanates and Curative Material.

*Contains some high boiling colorless plasticizers.

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.

LIMITED WARRANTY

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.