



### Product Description

PC-280 is a two component, very rapid setting, rapid 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 very rapid gel time, PC-280 is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in a single or multiple applications. PC-280 is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.

### Features

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

### Typical Uses

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

### Packaging

<b>1-Gallon Kit</b>	One 1 gallon can, net fill 0.8 gallons (3 liters) of Side-A and One quart can, net fill 0.2 gallons (0.78 liters) of Side-B
<b>5-Gallon Kit</b>	One 5 gallon pail, net fill 4 gallons (15.12 liters) of Side-A and One 1 gallon (3.78 liters) can of Part-B

### Color

Grey.

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

### Technical Data (Based on Draw Down Film)

**Coverage Rate** 1 gal/100 sqft  
0.41 l/sqm

**Dry Film Thickness per Coat** 15 ± 1 mils  
381 ± 25 microns

**Mixing Ratio** 4A : 1B

**Hardness, ASTM D2240** 80 ± 3 Shore A

**Tear Resistance, Die C, ASTM D624** 300 ± 25 pli  
52.5 ± 4.4 kN/m

**Tensile Strength, ASTM D412** 2500 ± 100 psi  
17.2 ± 0.7 MPa

**Ultimate Elongation, ASTM D412** 800 ± 100%

**Total Solids by Weight, ASTM D2369** 94 ± 2%

**Total Solids by Volume, ASTM D2697** 95 ± 2%

**Viscosity at 75°F (24°C)**  
**Side-A** 1500-2500  
**Side-B** 50-150 cps

**Volatile Organic Compounds, ASTM D2369-81** <0.04 lb/gal  
<5 gm/liters

### Surface Preparation

Refer to General Guidelines for complete information.

### Mixing

NOTE: PC-280 may not be diluted under any circumstances. Proportions are premeasured.

Using a mechanical mixer, first pre-mix PC-280 separately Side-A and Side-B base material thoroughly to attain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour PC-280 Side-B into Side-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Side-A and Side-B mixture thoroughly until uniform color is attained.

Do not mix in an up and down motion.

## Application

PC-280 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 (0.84-1.19 mm), 6.5+ Mohs minimum hardness at a rate of 20 lbs/100 sqft (1 kg/sqm) or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. Broadcast sand until refusal and when the coating is dry, remove extra loose sand, preferably by vacuum.

An aggregate of 14-30 mesh (0.56-1.41 mm) rubber granules may be broadcast into the membrane at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or to refusal. The amount of rubber used will vary. When coating starts to gel in approximately 20 to 30 minutes, broadcast 14-30 mesh (0.56-1.41 mm) rubber granules until refusal. The quantity amount of rubber granules will vary (normal usage is 20 lbs/100 sqft for 1 kg/sqm). When the coated surface is stiff enough to support the weight of installer without damaging the coating or when the coating is dry (approximately 4-6 hours), remove all loose aggregate, preferably by vacuum.

## 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.

## Cleanup

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

## Storage

PC-280 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

This product is not UV Stable.

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 Polycoat 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 Curative Material.**

**Limited Warranty:** Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. 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, instructions, and project specific recommendations.

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