



Product Description

PC-550SC is a single component, water catalyzed polyurethane polyurea, liquid applied elastomeric waterproofing base membrane.

Features

- Can Be Applied At Any Thickness
- Fast Curing
- Non-Gassing
- Seamless Membrane
- Water Catalyzed

Typical Uses

- Concrete
- Helicopter Pads
- Masonry
- Metal
- Parking Decks
- Pedestrian Membrane
- Plywood
- Ship Decks
- UnderTile

Packaging

5-Gallon

5 gallon (18.9 liter) pail with
1 vial of Catalyst

Color

Grey, Tan or Custom Color

Not a stock item. Minimum order of 250 gallons (945 liters) is required. See color chart for special provisions. Contact Polycoat Products for more information.

Surface Preparation

Refer to General Guidelines for complete information.

Mixing

Before application, mix PC-550SC using a mechanical mixer at slow speed. Add PC-550SC Catalyst and mix thoroughly until a homogenous mixture is attained. Use care not to allow the entrapment of air into the mixture. Do not mix in an up and down motion.

Mix PC-550SC with water (water must be added) at a ratio of one quart of water to one gallon of PC-550SC. The mixing ratio is 4 parts PC-550SC to 1 part of water (4:1).

Application

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

Technical Data (Based on Draw Down Film)

Coverage Rate 1 gal/100 sqft
0.41 l/sqm

Dry Film Thickness per Coat 15 ± 2 mils
350 ± 50 microns

Hardness, ASTM D2240 55 ± 5 Shore A

Tear Resistance, Die C, ASTM D624 210 ± 25 pli
36.8 ± 3.5 kN/m

Tensile Strength, ASTM D412 1000 ± 100 psi
6.9 ± 0.7 MPa

Ultimate Elongation, ASTM D412 500 ± 50%

Specific Gravity 1.08 ± 0.03

Total Solids by Weight, ASTM D2369 93 ± 2%

Total Solids by Volume, ASTM D2697 91 ± 2%

Viscosity at 75°F (24°C) 3000 ± 2000 cps

Volatile Organic Compounds, ASTM D2369-81 <0.61 lb/gal
<74 gm/liters

and/or streaking. Concrete, metal and old plywood surfaces should be primed. For best results, use a squeegee or a notched trowel.

An aggregate of 14-30 rubber granules may be broadcast into the PC-550SC membrane at a rate of 10 lbs/100 sqft or (1/2 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 or 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.

A sand aggregate may also be used. Sand aggregate should be applied only in second coat. Broadcast sand until refusal and when the coating is dry, remove extra loose sand, 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 24 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-550SC 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 Solvents.

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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