**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 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.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>1 gal/100 sqft</td>
</tr>
<tr>
<td></td>
<td>0.41 l/sqm</td>
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<tr>
<td>Dry Film Thickness per Coat</td>
<td>15 ± 2 mils</td>
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<tr>
<td></td>
<td>350 ± 50 microns</td>
</tr>
<tr>
<td>Hardness, ASTM D2240</td>
<td>55 ± 5 Shore A</td>
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<tr>
<td>Tear Resistance, Die C, ASTM D624</td>
<td>210 ± 25 pli</td>
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<td></td>
<td>36.8 ± 3.5 kN/m</td>
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<tr>
<td>Tensile Strength, ASTM D412</td>
<td>1000 ± 100 psi</td>
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<tr>
<td></td>
<td>6.9 ± 0.7 MPA</td>
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<tr>
<td>Ultimate Elongation, ASTM D412</td>
<td>500 ± 50%</td>
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<tr>
<td>Specific Gravity</td>
<td>1.08 ± 0.1</td>
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<tr>
<td>Total Solids by Weight, ASTM D2369</td>
<td>93 ± 2%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D2697</td>
<td>91 ± 2%</td>
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<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>3000 ± 2000 cps</td>
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<tr>
<td>Volatile Organic Compounds, ASTM D2369-81</td>
<td>&lt;0.61 lb/gal</td>
</tr>
<tr>
<td></td>
<td>&lt;74 gm/liters</td>
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</tbody>
</table>

TECHNICAL DATA SHEET | Section 6.10

PC-550SC  
Water Catalyzed, Polyurethane, Polyurea Elastomeric Base Membrane

POLYCOAT PRODUCTS  TEL 562.802.8834  |  FAX 562.921.7363  
wpsales@polycoatusa.com  |  www.polycoatusa.com
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 Polycrat 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 Polycrat system coatings provided a moisture-vapor transmission test is first performed. Please contact Polycrat technical department with the results.

With regard to coating asphalt surfaces, please contact Polycrat technical department.

Surfaces must be dry, clean and free of foreign matter. Clear coating may turn orange 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.