



**Product Description**

PC-440SF is a single component, high solids, low odor, solvent free, environmentally safe, liquid applied, moisture-cured, aromatic polyurethane elastomeric waterproofing base membrane.

**FEATURES**

- » Solvent Free
- » Moisture Cured
- » Seamless Waterproofing Membrane

**TYPICAL USES**

- » Concrete
- » Plywood
- » Metal
- » Wood
- » Masonry Surfaces

**PACKAGING**

**5-Gallon** 5 gallon (18.9 liters) pail

**55-Gallon** 55 gallon drum, net fill 50 gallons (189 liters)

**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-440SF using a mechanical mixer at slow speed. Mix PC-440SF thoroughly until a homogeneous mixture and color is attained. Use care not to allow the entrapment of air into the mixture. Do not mix in an up and down motion.

**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.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.84-1.19 mm), 6.5+ Moh's 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

**TECHNICAL DATA (BASED ON DRAW DOWN FILM)**

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

**Dry Film Thickness per Coat** 16 ± 2 mils  
406 ± 50 microns

**Hardness, ASTM D-2240** 50 ± 5 Shore A

**Tear Resistance, Die C, ASTM D-624** 220 ± 25 pli  
38.5 ± 4.4 kN/m

**Tensile Strength, ASTM D-412** 400 ± 100 psi  
2.7 ± 0.7 MPa

**Ultimate Elongation, ASTM D-412** 525 ± 75%

**Specific Gravity** 1.34 ± 0.1

**Total Solids by Weight, ASTM D-2369** 99.99%

**Total Solids by Volume, ASTM D-2697** 99.99%

**Viscosity at 75°F (24°C)** 6500 ± 2000 cps

**Volatile Organic Compounds, ASTM D-2369-81** <0.08 lb/gal  
<10 gm/liters

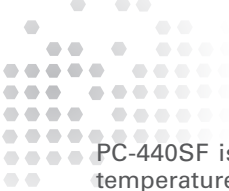
sand, preferably by vacuum.

Most applications require two coats. To achieve proper adhesion between coats, it is imperative that re-coating be done within 48 hours.

**Curing**

At 75°F (24°C) and 50% relative humidity, allow coating to cure 16 hours before proceeding to 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.

If accelerated curing is required, add one quart of PC-50 in a 5 gallon pail of PC-440SF and mix thoroughly. This accelerated PC-440SF will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity. If PC-50 Accelerator is used then re-coat should be done within 12 hours after cure. If re-coat window has passed, then solvent wipe the surface with VOC compliant solvent and re-prime surface with Polyprime U.



PC-440SF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extend the cure time.

### **Cleanup**

Equipment should be cleaned with an environmentally-safe solvent, as permitted under local regulations, immediately after use.

### **Storage**

PC-440SF 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.**

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