



BC BUILDING PRODUCTS
THE ENVELOPE SPECIALISTS

TECHNICAL DATA SHEET

Polycoat PC220/220SC

Manufacturer: Polycoat Products

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Product Description

PC-220/PC-220SC is a single component, liquid applied, moisture cured, aromatic polyurethane elastomeric waterproofing base membrane. PC-220SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards. Make sure to use the correct grade of product which complies with VOC regulations/requirements applicable as per federal, state, statutory, counties, cities and local bodies at the place of installation.

Features

- Economical
- Moisture Cured
- Seamless Waterproofing Membrane

Typical Uses

- Concrete
- Metal
- Plywood
- Wood

Packaging

5-Gallon	One 5 gallon pail (18.9 liters)
55-Gallon drum	Net fill 50 gallons (189 liters)

Color

Grey or Tan

Surface Preparation

Refer to General Guidelines for complete information.

Mixing

Before application, mix PC-220/PC-220SC using a mechanical mixer at slow speed 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+ Mohs minimum hardness at a rate of 20 lbs/100 sqft (1kg/sqm) or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. Broadcast sand until

Technical Data (Based on Draw Down Film)

	PC-220	PC-220SC
Coverage Rate	1 gal/100 sqft 0.41 l/sqm	1 gal/100 sqft 0.14 l/sqm
Dry Film Thickness per Coat	11 ± 2 mils 279 ± 50 microns	14 ± 1 mils 102 ± 3 microns
Hardness, ASTM D2240	55 ± 5 Shore A	55 ± 5 Shore A
Tear Resistance, Die C, ASTM D624	170 ± 25 pli 28.9 ± 4.4 kN/m	120 ± 20 pli 21.0 ± 4.4 kN/m
Tensile Strength, ASTM D412	800 ± 100 psi 5.5 ± 0.7 MPa	500 ± 100 psi 3.44 ± 0.7 MPa
Ultimate Elongation, ASTM D412	500 ± 50%	400 ± 50%
Specific Gravity	1.26 ± 0.03	1.30 ± 0.03
Total Solids by Weight, ASTM D2369	81 ± 2%	92.7 ± 2%
Total Solids by Volume, ASTM D2697	71 ± 2%	87.7%
Viscosity at 75°F (24°C)	6500 ± 2000 cps	6500 ± 2000 cps
Volatile Organic Compounds,	2.01 lb/gal 240 gm/liter	0.78 lb/gal 94 gm/liter

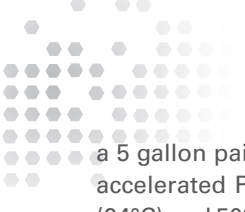
refusal and when the coating is dry, remove extra loose sand, preferably by vacuum.

Most applications require one or two coats. Please reference gallons required in the desired system sheet. To obtain 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, reprime 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-220/PC-220SC and mix thoroughly. This accelerated PC-220/PC-220SC 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 is passed then solvent wipe the surface with VOC compliant solvent and re-prime surface with Polyprime U.

PC-220/PC-220SC 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-220/PC-220SC 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 Solvent.

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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