



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

PC-220 SF

Solvent Free, Elastomeric, Aromatic Urethane Polyurea Base Membrane

DESCRIPTION

PC-220 SF is a single component, high solids, solvent free, low odor, environmentally safe, liquid applied, moisture cured, aromatic urethane polyurea elastomeric waterproofing base membrane.

FEATURES

- ❖ Solvent Free
- ❖ Low Odor
- ❖ Proven Protection

TYPICAL USES

- ❖ Concrete or Plywood Decks
- ❖ Metal, Wood, or Masonry Surfaces

COLORS

Grey

Custom colors are also available. Minimum order of 300 gallons (1136 liters). See color chart for special provisions

PACKAGING

- 5 gallon (19 liter) pail
- 55 gallon drum, net fill 50 gallons (189 liters)

MIXING

Before application, mix PC-220 SF using a mechanical mixer (Jiffy Mixer) at slow speeds. PC-220 SF may also be mixed by hand for at least 5 minutes. Mix PC-220 SF thoroughly until a homogenous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

APPLICATION

For best results use a squeegee or notched trowel. Care should be taken not to cause air bubbles.

Apply PC-220 SF evenly over the entire deck. Application should be continuous to ensure a smooth and level coat with no lines or streaks to disfigure the deck. Allow coating to cure a minimum of 16 hours and maximum of 48 hours before proceeding to subsequent coats.

It is recommended that an aggregate of washed, dry, rounded, crystal silica sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), with 6.5+ Moh's minimum hardness be added to the second wet coat of PC-220.

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

CURING

At 70°F (21°C) and 50% relative humidity, allow each coat to

TECHNICAL DATA

Coverage Rate	See Guide Specifications
Dry Film Thickness, per coat @ 1 gal/100 sq. ft.	16 mils 406 microns
Hardness, ASTM D-2240	50 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	220 ± 20 pli 38.56 ± 3.9 kN/m
Tensile Strength, ASTM D-412	800 ± 100 psi 5.52 ± 0.7 MPa
Ultimate Elongation, ASTM D-412	735 ± 75%
Specific Gravity	1.34
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	0.001 lb/gal <10 gm/liter

cure a minimum of 24 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21, 2180 or Polyprime 172 before proceeding.

PC-220 SF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time, therefore, use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP

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

STORAGE

PC-220 SF has a shelf life of six (6) months from date of manufacture in original, factory sealed containers.

LIMITATIONS

Surfaces must be dry, clean and free of foreign matter.

For ease of application, solvent free (SF) materials should be applied in temperatures greater than 60°F (15.5°C).

Should be used as a base membrane only.

Not UV stable.

Cannot withstand direct wear or abrasion.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING

This product contains Isocyanates.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. 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 and instructions.

LIMITED WARRANTY

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