



**TURBO LINER
PRODUCTS INC.
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PC-220

*Elastomeric, Aromatic, Urethane
Polyurea Base Membrane*

DESCRIPTION

PC-220 is a single component, liquid applied, moisture cured, aromatic urethane polyurea elastomeric waterproofing base membrane.

FEATURES

- ❖ Economical
- ❖ Proven Protection
- ❖ Seamless Waterproofing Membrane
- ❖ Moisture Cured

TYPICAL USES

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

COLORS

Grey or Tan

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 using a mechanical mixer (Jiffy Mixer) at slow speeds. PC-220 may also be mixed by hand for at least 5 minutes. Mix PC-220 thoroughly until a homogeneous 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. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Apply PC-220 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.

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), depending on skid resistance requirements, 6.5+ Moh's minimum hardness at a rate of 100 lbs/100 sq. ft., or to refusal, into the wet second coat, covering it completely be used to aid in slip-resistance.

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 coating to

TECHNICAL DATA	
Coverage Rate	See Guide Specifications
Dry Film Thickness, per coat @ 1 gal/100 sq. ft.	11 mils
Hardness, ASTM D-2240	279 microns
Tear Resistance, Die C, ASTM D-624	55 ± 5 Shore A
Tensile Strength, ASTM D-412	250 ± 25 pli
Ultimate Elongation, ASTM D-412	43.75 ± 4.4 kN/m
Specific Gravity	950 ± 100 psi
Total Solids by Weight, ASTM D-2369	6.55 ± 0.7 MPa
Total Solids by Volume, ASTM D-2697	500 ± 50%
Viscosity at 75°F (24°C)	1.26
Volatile Organic Compounds, ASTM D-2369-81	81 ± 2%
	71 ± 2%
	6500 ± 3000cps
	2.01 lb/gal
	240 gm/liter

cure a minimum of 16 hours and maximum of 48 hours before proceeding to subsequent coats. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 172 before proceeding.

PC-220 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.

EQUIPMENT CLEANUP

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

STORAGE

PC-220 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.

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 and Solvent.

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.

SAFETY PRECAUTIONS

This product is for industrial use only by professional applicators and is not intended or suitable for use in or around a household or residential property. Keep away from children and household items. This material contains polyisocyanates. Vapors and spray mist are harmful. Improper handling and use may be hazardous. At all times safety precautions must be strictly followed during storage, handling and application.

LIMITED WARRANTY

Turbo Products warrants its products to be free of manufacturing defects and that they will meet Turbo Products current published physical properties. Turbo Products warrants that its products, when properly installed by a licensed applicator according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of three (3) years. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Turbo Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Turbo Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Turbo Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Turbo Products makes no claim that these tests or any other tests, accurately represent all environments.