



Product Description

PC-220 Vertical is a single component, liquid applied, moisture cured, aromatic polyurethane elastomeric waterproofing base membrane. 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
- » Plywood
- » Metal
- » 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 Vertical using a mechanical mixer at slow speed. Mix PC-220 Vertical 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 Vertical
Coverage Rate	1 gal/100 sqft 0.41 l/sqm
Dry Film Thickness per Coat	11 ± 2 mils 279 ± 50 µ
Hardness, ASTM D-2240	70 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	125 ± 25 pli 21.9 ± 4.4 kN/m
Tensile Strength, ASTM D-412	1000 ± 200 psi 7.0 ± 1.4 MPa
Ultimate Elongation, ASTM D-412	400 ± 50%
Specific Gravity	1.20 ± 0.3 cps
Total Solids by Weight, ASTM D-2369	80 ± 3%
Total Solids by Volume, ASTM D-2697	70 ± 2%
Viscosity at 75°F (24°C)	11,000 ± 3,000 cps
Volatile Organic Compounds,	<250 gm/liter

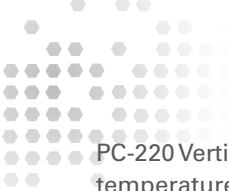
refusal and when the coating is dry, remove extra loose sand, preferably by vacuum.

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 Vertical and mix thoroughly. This accelerated PC-220 Vertical 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 than solvent wipe the surface with VOC compliant solvent and re-prime surface with Polyprime U.



PC-220Vertical 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-220Vertical 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.

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 Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments. © 2019 Polycoat Products. All rights reserved. rev190521AA