

Product Description

PC-235/235SC 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
- Masonry Surfaces
- 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. Not a stock item. Minimum order of 250 gallons (945 liters) is required.

Surface Preparation

Refer to General Guidelines for complete information.

Mixing

Before application, mix PC-235/235SC 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 apply using a spray, squeegee, 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 (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)

	PC-235	PC-235SC
Coverage Rate	1 gal/100 sqft 0.41 l/sqm	1 gal/100 sqft 0.41 l/sqm
Dry Film Thickness per Coat	12 ± 2 mils 305 ± 50 microns	13 ± 2 mils 330 ± 50 microns
Hardness, ASTM D2240	70 ± 5 Shore A	70 ± 5 Shore A
Tear Resistance, Die C, ASTM D624	200 ± 25 pli 35 ± 4.4 kN/m	200 ± 20 pli 35 ± 4.4 kN/m
Tensile Strength, ASTM D412	1200 ± 100 psi 8.3 ± 0.7 MPa	1200 ± 300 psi 8.3 ± 0.7 MPa
Ultimate Elongation, ASTM D412	500 ± 50%	475 ± 50%
Specific Gravity	1.29 ± 0.1	1.32 ± 0.1
Total Solids by Weight, ASTM D2369	85 ± 2%	85 ± 2%
Total Solids by Volume, ASTM D2697	76 ± 2%	81 ± 2%
Viscosity at 75°F (24°C)	5000 ± 2500 cps	5000 ± 2500 cps
Volatile Organic Compounds, ASTM D2369-81	1.67 lb/gal 200 gm/liter	0.75 lb/gal 91 gm/liter

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 recoating 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-235/235SC and mix thoroughly. This



accelerated PC-235/235SC will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity. PC-50 should be re-coated within 12 hours. If re-coat window has passed, then solvent wipe the surface with VOC-compliant solvent and re-prime with Polyprime U.

PC-235/235SC 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-235/235SC 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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