



BC BUILDING PRODUCTS
THE ENVELOPE SPECIALISTS

TECHNICAL DATA SHEET

Polycoat PC-260

Manufacturer: Polycoat Products

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Product Description

PC-260 is a two component, fast setting, fast curing, solvent free, flexible, high performance, and high solids polyurethane elastomeric coating that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to its fast gel time, PC-260 is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in a single or multiple applications. PC-260 is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.

Features

- Can Be Applied At Any Thickness
- Excellent Low Temperature Flexibility
- Good Chemical Resistance
- Good Thermal Stability
- Meets USDA Criteria
- Non-Gassing
- Recoatable
- Seamless

Typical Uses

- Crack Repairs
- Expansion Joints
- Exterior & Interior Pedestrian Traffic Surfaces such as Walkways, Patios and Stairways
- Interior Surfaces such as Floors and Mechanical Rooms
- Kennel Runs
- Stalls, Wash Racks
- Sundecks & Balconies
- Vehicular Traffic Areas

Packaging

1-Gallon Kit

One 1 gallon can, net fill 0.8 gallons (3 liters) of Side-A and One quart can, net fill 0.2 gallons (0.78 liters) of Side-B

5-Gallon Kit

One 5 gallon pail, net fill 4 gallons (15.12 liters) of Side-A and One 1 gallon (3.78 liters) can of Side-B

Color

Grey.Tan color is available with minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

Technical Data (Based on Draw Down Film)

Coverage Rate 1 gal/100 sqft
0.41 l/sqm

Dry Film Thickness per Coat 15 ± 1 mils
381 ± 25 microns

Mixing Ratio 4A : 1B

Hardness, ASTM D2240 64 ± 2 Shore A

Tear Resistance, Die C, ASTM D624 230 ± 25 pli
40.3 ± 4.4 kN/m

Split Tear, ASTM D470 60 ± 5 pli
10.5 ± 0.9 kN/m

Tensile Strength, ASTM D412 1500 ± 100 psi
10.3 ± 0.7 MPa

Ultimate Elongation, ASTM D412 1000 ± 100%

Specific Gravity, Side-A 1.03 ± 0.03
Side-B 0.98 ± 0.03

Total Solids by Weight, ASTM D2369 94 ± 2%

Total Solids by Volume, ASTM D2697 95 ± 2%

Viscosity at 75°F (24°C)
Side-A 2500-3000 ± 500 cps
Side-B 100 ± 50 cps

Volatile Organic Compounds, ASTM D2369-81 <0.04 lb/gal
<5 gm/liters

Surface Preparation

Refer to General Guidelines for complete information.

Mixing

NOTE: PC-260 may not be diluted under any circumstances. Proportions are pre-measured.

Using a mechanical mixer, first pre-mix separately Side-A and Side-B base material thoroughly to attain a uniform color,

making sure to scrape the solids from the bottom and sides of the pail.

Pour Side-B into Side-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Side-A and Side-B mixture thoroughly until uniform color is attained.

Do not mix in an up and down motion.

Application

PC-260 should be applied at a temperature of 20°F (-6°C) and above.

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 (0.0331-0.0469 in.; 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 sand, preferably by vacuum.

An aggregate of 14-30 rubber granules may be broadcast into the membrane at a rate of 10 lbs/100 sqft (0.5 kg/sqm) or to refusal. The amount of rubber used will vary. When coating starts to gel in approximately 20 to 30 minutes, broadcast 14-30 mesh (0.56-1.41 mm) rubber granules until refusal. The quantity amount of rubber granules will vary (normal usage is 20 lbs/100 sqft for 1 kg/sqm). When the coated surface is stiff enough to support the weight of installer without damaging the coating or when the coating is dry (approximately 4-6 hours), remove all loose aggregate, preferably by vacuum.

Curing

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before proceeding with 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.

Cleanup

Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

Storage

PC-260 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 Curative Material.

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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