Product Description
Polycoat PC-IM 129 is a two component, liquid applied, asphalt extended aromatic polyurethane that adheres to most substrates, to form a waterproof membrane. Polycoat PC-IM 129 is ANSI / NSF-61 approved for contact with potable water.

FEATURES
» NSF-61 Approved
» Low VOC
» Seamless Waterproofing
» Economical
» Bridges Cracks and Joints
» Impervious To Water and Aqueous Chemicals

TYPICAL USES
» Waterproofing
» Roofing (with scrim)
» Tank Liner
» Reservoirs (with scrim)
» Pond Liner
» Ponds (with scrim)
» Containment
» Corrosion Protection
» Potable Water Containment / Storage

COMMON SUBSTRATES
» Concrete
» Wood
» Steel
» Glass
» Metal
» Asphalt

PACKAGING

1-Gallon Kit
One 1 pint can, net fill 0.1 gallon (0.38 liters) of Side-A and One 1 gallon can, net fill 0.9 gallon (3.4 liters) of Side-B

4.5-Gallon Kit
One 1/2 gallon jar, net fill 0.45 gallon (1.70 liters) of Side-A and One 5 gallon pail, net fill 4.05 gallon (15.30 liters) of Side-B

Color
Black, fades to dull black

*Note: In applications where NSF-61 approval is not required, Polycoat PC-IM 129 may be topcoated with Pigmented Polyglaze 100 for a UV stable color.

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Coverage Rate
2 gal/100 sqft (0.82 l/sqm)

ANSI/NSF 61 Approved up to
140°F (60°C)

Elastomeric Waterproofing
ASTM C-836
Exceeds
ASTM C-957
Exceeds

Total Solids by Volume, ASTM D-2697
89%

Volatile Organic Compounds, ASTM D-2369-81
87 gm/liter

Mullen Burst Strength, ASTM D-751.50 mil
155 ± 25 psi (no break)

Tear Strength, ASTM D-624 (Die C)
150 ± 50 lbs/in

Tensile Strength, ASTM D-412, 100 mil sheet
900 ± 100 psi

Extension to Break, ASTM D-412
450 ± 100%

Membrane Weight, 60 mils (1.5mmWFT)
approx. 30 lbs/100 sqft
1.5 kg/sqm

Recovery from 100% extension,
After 5 minutes
98%

After 24 hours
100%

Crack Bridging,
10 cycles @ - 15°F
> 1/8” (0.325 cm)

After Heating Aging
> 1/4” (0.65 cm)

Weathering, ASTM D-822
Pass 5000 hrs.

Softening Point, Ring Ball, ASTM D-36
> 400°F (204 °C)

Deflection Temp., ASTM D-648
Pass

Service Temperature
-60 to 200°F
(-51.1 to 93.3°C)

Hardness, ASTM D-2240 @ 77°F
50 ± 5 Shore A

Permeability to Water Vapor,
ASTM D-96 method E, 100°F, 100 mil sheet
0.06 perm

Abrasion Resistance - Wt. Loss Taber Abraser
CS-17Wheel, 1000 gr./1000 rev., ASTM D-4060
7.2 mg loss

Electrical Resistivity, ASTM D-257, 50% R.H.
23°C, 2” (50mm) disc, 100 mil (2.5mm) thickness
3.86 x 10E14 ohm.cm

Adhesion to Concrete (dry) Elcometer
350 ± 50 psi

Time to Reach 20 Shore A Hardness, @ 77°F, 200 gram quantity
24 hrs. max

Working Time (Pot Life) @ 77°F
18-20 min

Set Time to Polyurethane Film hours,
ASTM D-164 procedure 5.3.2
4 hours

Coverage
The approximate coverage is 2 gallon/100 sqft (0.82 l/sqm). Coverage rate will depend on surface roughness and porosity.

Surface Preparation
Refer to General Guidelines for complete information.
Section 8.1

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 user's 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. © 2018 Polycoat Products. All rights reserved.

Mixing

Proportions are premeasured. Using a mechanical mixer, pre-mix Polycoat PC-IM 129 Side-B material thoroughly to attain a uniform color. Add Side-A to Side-B material and box and mix thoroughly until a uniform mixture is achieved.

Do not mix in an up and down motion. Use care not to allow the entrapment of air into the mixture. Polycoat PC-IM 129 should not be mixed by hand.

Application

Apply two coats of Polycoat PC-IM 129 at 2 gallons/100 sq ft (0.8 liters/sqm) or 50 sq ft/gallon resulting in 28 dry mils & 112 microns per coat.

Polycoat PC-IM 129 may be recoated one hour after application. Recoating/Multiple or Second coats must be completed within eight (8) hours of previous applications of Polycoat PC-IM 129. After this eight (8) hour window, it is necessary to abrade, clean and prime surface prior to recoating.

Abrading shall be by grinder or other mechanical means.

Curing

At 75°F (24°C) and 50% relative humidity, allow coating to cure for 24 hours before allowing foot traffic.

Polycoat PC-IM 129 is sensitive to heat and moisture. Higher temperature and relative humidity will accelerate the curing time. If more than 8 hours passes between coats, re-prime the surface with Polyprime U before proceeding.

Cleanup

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

Storage

Polycoat PC-IM 129 has a shelf life of one year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Limitations

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, swimming pools, magnesite, lightweight concrete. Asphalt surfaces and asphalt overlays may be coated with Polycoat coating systems if first coated with the Polycoat PC-IM 129.

Do not apply Polycoat PC-IM 129 in wet weather or if rain is imminent. Coating should not become wet within 4 hours after application. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

Warning

This product contains Isocyanates, Asphalt and Solvent.