



# POLYCOAT PRODUCTS

A Division of American Polymers Corp.

## POLYCOAT-PC-IM 129 SYSTEM

Industrial Membrane, 55 Dry Mills  
Elastomeric, Aromatic Polyurethane

### SYSTEM DESCRIPTION

The Polycoat-PC-IM 129 System is a two component liquid applied, asphalt extended aromatic polyurethane. The system utilizes two coats of the PC-IM 129 with an optional polyester inner-ply mat. This system adheres to most substrates, and it is durable and will provide trouble free waterproofing. It is an elastomeric system designed to expand and contract with normal structural movements. The Polycoat-PC-IM 129 waterproofing system has a watertight monolithic surface. The Polycoat-PC-IM 129 System has a wide range of uses.

### FEATURES

- ❖ Seamless Waterproofing
- ❖ Bridges cracks and joints
- ❖ Impervious to water and aqueous chemicals
- ❖ VOC Compliant
- ❖ Economical

### TYPICAL USES

- ❖ Waterproofing
- ❖ Tank Liner
- ❖ Pond Liner
- ❖ Containment
- ❖ Roofing (with scrim)
- ❖ Reservoirs (with scrim)
- ❖ Ponds (with scrim)
- ❖ Corrosion Protection

### COLOR

Black

Can be topcoated with Pigmented Polyglaze 100 for color

### COMMON SUBSTRATES

- ❖ Asphalt
- ❖ Concrete
- ❖ Steel
- ❖ Metal

### PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polycoat Products systems, refer to the general guidelines section of the Polycoat Products catalog which describes the surface preparation, job conditions, finishing details and other necessary information.

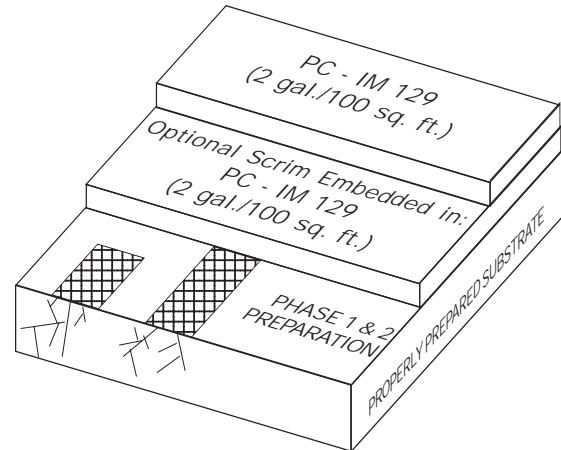
### APPLICATION

#### Asphalt/Concrete/Steel/Metal

**Phase 1:** Cracks in asphalt/concrete over 1/8" must be filled with Polycoat PC-IM 129. Place scrim over crack and apply 10-20 mils of Polycoat PC-IM 129. Allowed to cure, a minimum of 10 to 16 hours.

Check area of application to ensure it conforms to the substrate requirements.

New asphalt/Concrete will be cured a minimum of 28 days prior to application. Old asphalt/concrete will be free of loose aggregate, dirt and will be dry. New and Old concrete will be Shot, Water or Abrasive Blasted. Grease spots and oil will be cleaned with appropriate cleaners.



**Note:** To minimize outgassing, polyprime 21, 2180 or U22 should be used on all surfaces except for wood, where it is optional.

**Phase 2:** Prime the required surfaces with Polyprime 2180 for metal or concrete surfaces or Polyprime U22 for asphalt surfaces at a rate of 1 gallon/300 sq. ft. (0.14 liters/m<sup>2</sup>). Apply using a brush or phenolic core roller. Allow Polyprime to become tack free before proceeding to Phase 3.

**Phase 3:** The first coat of Polycoat PC-IM 129 (a mixture of Part-A and Part B) should be applied at a rate of 2 gallons/100 sq. ft. (0.82 liters/m<sup>2</sup>) resulting in 29 dry mils (736 microns) of membrane. For Roofs, Ponds and Reservoirs immediately embed scrim where required into 10-15 mils of wet coating, overlapping each edge a minimum of 1 inch. Use a dry phenolic core roller to press the scrim into the coating, creating a bond between the coating and the scrim. On other substrates, skip scrim and proceed to Phase 4. Allow to cure (to touch) before proceeding to Phase 4.

**Phase 4:** Apply the second coat of Polycoat PC-IM 129 (mixture of Part-A and Part-B) at the rate of 2 gallons/100 sq. ft. (0.82 liters/m<sup>2</sup>) resulting in 29 dry mils (736 microns) of membrane.

### FINISHED SYSTEM

When applied as directed above the Polycoat PC-IM 129 waterproofing system will provide 58 ± 3 dry mils (1473 dry microns), exclusive of fabric or topcoat, of superior waterproofing.

### RECOAT

Recoating/Multiple or Second coats must be completed within eight to twelve (8-12) hours of previous applications of Polycoat PC-IM129. After this eight to twelve (8-12) hour window, it is necessary to clean, abrade and prime surface prior to recoating.

Abrading shall be by grinder or other mechanical means.

#### **SCRIM**

Use Henry's Tietex T272 Polyester or equal scrim.

#### **LIMITATIONS**

If substrates are not clean and dry, Polycoat PC-IM 129 will not have good adhesion and the coating over concrete will blister.

Concrete/asphalt: the outside temperature should be in a declining mode (installation should be done in the late afternoon).

New concrete/asphalt and masonry must be cured for 28 days.

UV stable but the color may fade, chalk and discolor over time.

The following conditions must not be coated with Polycoat Products coating systems or products: concrete over an unvented metal pan, magnesite and lightweight concrete.

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

Uncured materials are sensitive to heat and moisture.

A continuous application ensures a monolithic surface.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no responsibility for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

#### **WARNING**

The products in this system contain Isocyanates and Solvent.

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*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.*

#### **LIMITED WARRANTY**

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor 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 one (1) year. 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 Polycoat 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. Polycoat 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. Polycoat 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 Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.