



# POLYCOAT PRODUCTS

A Division of American Polymers Corp.

## POLYCOAT-AQUASEAL® 60 Mills Solvent Free Bitumen Modified Membrane

### SYSTEM DESCRIPTION

The Polycoat-Aquaseal® waterproofing system uses a solvent-free, two-component, liquid applied, high solids, bitumen modified polyurethane elastomeric waterproofing membrane. The system utilizes an optional epoxy-polyamine primer and one to three coats of a solvent free bitumen modified polyurethane coating. It is an elastomeric system designed to expand and contract with normal structural movements. The Polycoat-Aquaseal® waterproofing system has a watertight monolithic surface. The Polycoat-Aquaseal® waterproofing system has a wide range of uses for both **vertical and horizontal applications**. Installed properly, the Polycoat-Aquaseal® waterproofing system will ensure years service.

### FEATURES

- ❖ Applied at Any Thickness
- ❖ Solvent Free
- ❖ One Day Application
- ❖ Waterproof
- ❖ Fast Curing
- ❖ Elastomeric

### TYPICAL USES

- ❖ Tunnels
- ❖ Planters
- ❖ Bathrooms/Restrooms
- ❖ Between Slabs
- ❖ Used with insulation, pavers and/or ballast to create IRMA/PRMA roofing systems.
- ❖ Plazas
- ❖ Basements
- ❖ Foundations Walls
- ❖ Highway Bridges

### PRODUCT INSTRUCTIONS

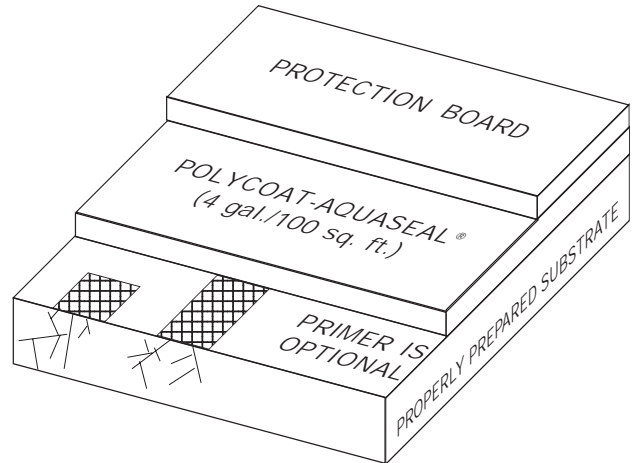
For complete information associated with the application of all Polycoat Products decking systems, refer to the general guidelines section of the Polycoat Products catalog which describes the surface preparation, job conditions, finishing details and other necessary information.

### APPLICATION

Check area of application to ensure it conforms to the substrate requirements. Prime all joints, cracks, and flashings with Polyprime or a thinned coat of Polycoat-Aquaseal® (mixture of Part-A and Part-B). Apply Polycoat-Aquaseal® over all joints, cracks and flashing. Bridge the joints, cracks, and flashings with 4" (10 cm) Straight Jacket Tape pushing it into Polycoat-Aquaseal® with a trowel. Over the reinforcement tape apply a thin coat of Polycoat-Aquaseal® and smooth onto adjacent surface.

Prime the surface with Polyprime U22 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m<sup>2</sup>), or a thinned coat of Polycoat-Aquaseal® (mixture of Part-A and Part-B). Apply primer using a brush, airless sprayer, or phenolic core roller. Allow Polyprime to dry for one hour before proceeding.

**Note:** Primer is optional on new vertical masonry walls and new wood surfaces.



Polycoat-Aquaseal® should be applied at a rate of 4 gallons/100 sq. ft. (1.63 liters/m<sup>2</sup>) resulting in a 60 mils (1524 microns) membrane. It is recommended that tightly butted protection boards be installed over the entire coated surface. Back filling may begin 4-6 hours after application.

Polycoat-Aquaseal® may be applied in any thickness desired without additional cure time.

**Note:** For optimal performance on vertical surfaces Polycoat Products recommends the use of Polycoat-Aquaseal® V. An additional coat may be necessary to achieve recommended thickness unless material is applied carefully.

### FINISHED SYSTEM

When applied as directed above the Polycoat-Aquaseal® waterproofing system will provide 60 ± 2 dry mils (1524 ± 50 dry microns) of superior waterproofing protection.

### LIMITATIONS

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

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete and masonry must be cured for 28 days.

Concrete cleaning (see General Guidelines).

Clean tools with an urethane grade solvent.

Plywood should be new (see general guidelines).

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.

Refer to general guidelines for further information.

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, Aromatic Hydrocarbons, Curatives and Solvents.

---

*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.