



POLYCOAT PRODUCTS

A Division of American Polymers Corp.

POLYCOAT-AQUASEAL® 5000

60 Mills, Modified Urethane
Waterproofing Membrane

SYSTEM DESCRIPTION: The Polycoat-Aquaseal® 5000 waterproofing system is a user friendly, single component, liquid applied, waterproofing membrane. The system uses a primer, two coats of a modified urethane coating and protection board. It is an elastomeric system designed to expand and contract with normal structural movements. The Polycoat-Aquaseal® 5000 waterproofing system has a wide range of uses for **both vertical and horizontal applications**. Installed properly, the Polycoat-Aquaseal® 5000 waterproofing system will ensure years of dependable waterproofing protection.

APPROVALS, CODES & TESTING

- ❖ Meets the Criteria of ASTM E-96
- ❖ Meets the Criteria of ASTM C-836

FEATURES

- ❖ Waterproof
- ❖ Single Component
- ❖ Resistant to Bacterial Attack
- ❖ Elastomeric
- ❖ Durable

TYPICAL USES

- ❖ Wood
- ❖ Tunnels
- ❖ Basements
- ❖ Highway Bridges
- ❖ Bathrooms/Restrooms
- ❖ Metal
- ❖ Planters
- ❖ Between Slabs
- ❖ Foundation Walls

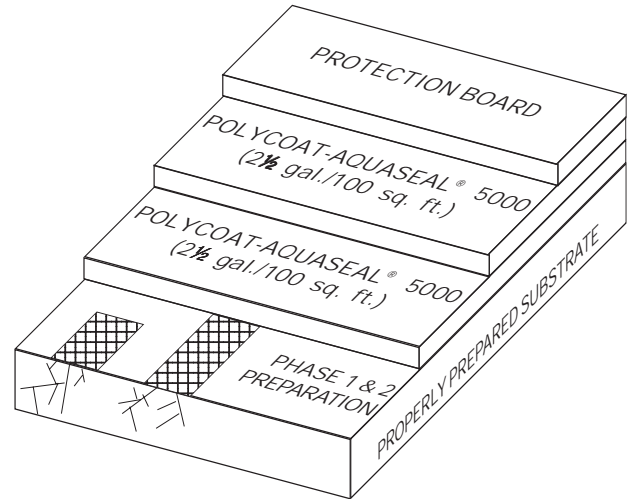
PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polydeck 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

Phase 1: Check area of application to ensure it conforms to the substrate requirements. Prime all joints and cracks with Polyprime U22. All shrinkage and non-moving structural cracks under 1/16" shall be primed then pretreated with not less than a 30 wet mil coating of Polycoat-Aquaseal® 5000 extending 3" on either side of the crack. Bridge the joints, cracks, and flashings with 4" (10 cm) Straight Jacket Tape, pushing it into Polycoat-Aquaseal® 5000 with a trowel. Over the reinforcement tape apply a stripe coat of Polycoat-Aquaseal® 5000 and smooth onto adjacent surface. All cracks over 1/16", moving structural cracks and cold joints, shall be routed to 1/4" wide by 1/4" deep, the area should be primed, a joint backing shall be inserted and the void sealed with an appropriate polyurethane sealant.

Note: Primer is optional on new concrete vertical masonry walls and new plywood surfaces.



Phase 2: Prime the surface with Polyprime U22 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush, airless sprayer, or phenolic core roller. Allow Polyprime to dry for one hour before proceeding to Phase 3.

Phase 3: The first coat of Polycoat-Aquaseal® 5000 should be applied at a rate of 2 1/2 gallons/100 sq. ft. (1.02 liters/m²) resulting in a 29 ± 2 dry mils (737 microns) membrane. Allow a minimum of 16 hours to cure before applying second coat.

Note: For optimal performance on vertical surfaces Polycoat Products recommends the use of Polycoat-Aquaseal® 5000 V.

Phase 4: The second coat of Polycoat-Aquaseal® 5000 should be applied at a rate of 2 1/2 gallons/100 sq. ft. (1.02 liters/m²) resulting in a 29 ± 2 dry mils (737 microns) membrane. Allow a minimum of 24 hours before checking watertightness.

Phase 5: To ensure integrity of the system a flood test should be performed according to the following procedure:

Step One: Waterproofed area shall be flood tested for 24 hours after system has cured and prior to installation of protection course.

Step Two: Plug drains and place barriers to contain the water.

Step Three: Flood test to a depth of 2 inches for the duration of the test.

Step Four: Repair any leaks that may appear.

Phase 6: Protect all exposed membrane surfaces by installing Poly Protection-Mat 4 or protection board as per manufacturer's instructions, making sure to butt edges together.

FINISHED SYSTEM

When applied as directed above the Polycoat-Aquaseal® 5000 waterproofing system will provide 58 ± 2 dry mils (1473 ± 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).

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

Plywood should be new (see general guidelines).

Surface preparations and cleaning (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.

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.

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.