



# POLYCOAT PRODUCTS

A Division of American Polymers Corp.

## POLYCOAT-AQUASEAL®

Solvent Free, Bitumen Modified  
Waterproofing Membrane

### DESCRIPTION

Polycoat-Aquaseal® is a two component, solvent free, high solids, low odor, liquid applied, bitumen modified, coal tar free, polyurethane waterproofing membrane.

### FEATURES

- ❖ Fast Curing
- ❖ Apply At Any Thickness
- ❖ Solvent Free
- ❖ User Friendly
- ❖ Labor Saving
- ❖ Low Odor

### TYPICAL USES

- ❖ Planters
- ❖ Between Slabs
- ❖ Tunnels
- ❖ Foundation Walls

### PACKAGING

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A Black Liquid. One 5 gallon (18.9 liter) pail of Part-B Red Liquid

100 gallon kit: One 55 gallon drum, net fill 50 gallons (189 liters) of Part-A Black Liquid. One 55 gallon drum, net fill 50 gallons (189 liters) of Part-B Red Liquid.

### MIXING

The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B Red Liquid.

Polycoat-Aquaseal® Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Add the Polycoat-Aquaseal® Part-B to the Polycoat-Aquaseal® Part-A and thoroughly mix using a mechanical mixer at slow speed or at least 5 minutes, if mixed by hand.

Use care not to allow the entrapment of air into the mixture. Mix no more material than can be used within 20 minutes.

### JOINTS, CRACKS, AND FLASHING

Apply Polycoat-Aquaseal® over all primed joints and cracks. Bridge the joints and cracks with 3 inch (7.6 cm) Polyester Tape, pushing it into the sealant with a trowel. Over reinforcement tape apply a thin coat of Polycoat-Aquaseal® and smooth onto adjacent surface.

### APPLICATION

For best results use a brush, squeegee or trowel. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Primer is optional on new plywood.

Apply Polycoat-Aquaseal® evenly over the primed surface. Allow coating to cure a minimum of 2-4 hours before proceeding to subsequent coats.

### TECHNICAL DATA, Polycoat-Aquaseal® Vertical

Potlife @ 75°F	30 minutes
Hardness, ASTM D-2240,	
With Fabric	48 ± 5 Shore A
Without Fabric	13 ± 2 Shore A
Tear Resistance, Die C, ASTM D-624,	
With Fabric	150 ± 15 pli
Without Fabric	26.29 ± 2.6 kNm
Without Fabric	51 ± 5 pli
Without Fabric	8.94 ± 0.8 kNm
Tensile Strength, ASTM D-412,	
With Fabric	210 ± 20 psi
Without Fabric	1.45 ± 0.1 MPa
Without Fabric	175 ± 18 psi
Without Fabric	1.21 ± 0.1 MPa
Ultimate Elongation, ASTM D-412,	
With Fabric	60 ± 6%
Without Fabric	410 ± 40%
Specific Gravity,	
Part-A	1.02
Part-B	1.01
Total Solids by Weight, ASTM D-2369,	
Combined	91%
Total Solids by Volume, ASTM D-2697,	
Combined	89.8%
Viscosity at 75°F (24°C),	
Part-A	800 ± 200 cps
Part-B	1100 ± 200 cps
Volatile Organic Compounds, ASTM D-2369-81, Combined	< 0.83 lbs/gal < 100 gm/liter

### TECHNICAL DATA, Polycoat-Aquaseal® Horizontal

Potlife @ 75°F	30 minutes
Hardness, ASTM D-2240,	
With Fabric	63 ± 5 Shore A
Without Fabric	12 ± 2 Shore A
Tear Resistance, Die C, ASTM D-624,	
With Fabric	160 ± 20 pli
Without Fabric	28.04 ± 3 kNm
Without Fabric	16.4 ± 3 pli
Without Fabric	11.39 ± 1 kNm
Tensile Strength, ASTM D-412,	
With Fabric	214 ± 20 psi
Without Fabric	1.48 ± 0.2 MPa
Without Fabric	116 ± 10 psi
Without Fabric	2.24 ± 0.2 MPa
Ultimate Elongation, ASTM D-412,	
With Fabric	54 ± 10%
Without Fabric	430 ± 40%
Specific Gravity,	
Part-A	1.02
Part-B	1.01
Total Solids by Weight, ASTM D-2369,	
Combined	91%
Total Solids by Volume, ASTM D-2697,	
Combined	89.9%
Viscosity at 75°F (24°C),	
Part-A	800 ± 200 cps;
Part-B	1100 ± 200 cps
Volatile Organic Compounds, ASTM D-2369-81, Combined	< 0.83 lbs/gal < 100 gm/liter

## **CURING**

Subsequent coats may be applied immediately after the Poly-Ply Mat 3 has been embedded. Do not allow more than six hours between coats.

## **EQUIPMENT CLEANUP**

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

## **STORAGE**

Polycoat-Aquaseal® has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

## **LIMITATIONS**

Surfaces must be dry, clean and free of foreign matter.

Not UV stable.

Cannot withstand direct wear or abrasion.

Containers that have been opened must be used within 1-2 days.

Do not dilute under any circumstance.

## **WARNING**

This product contains Isocyanates and Aromatic Hydrocarbons.

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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.