

### 1. Product Name

Poly-5 Reinforcement Fabric

### 2. Supplier

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### 3. Product Description

#### Basic Use

Poly-5 is a high strength spunbonded fabric used to reinforce fluid applied coating and roofing systems. It is a unique all-polymer product that is composed of a polyester core with a nylon skin. This coaxial bicomponent fiber offers exceptional strength and unique properties not found in other fabrics.

The unique manufacturing process of Poly-5 begins with a fiber that is fully drawn for increased strength. These fibers are then laid down by a unique web forming process that swirls, separates, and distributes the fibers with great uniformity. The final step is the bonding of the fibers to create a fabric of great strength.

While other spunbonded fabrics require binders to bond the fibers together, Poly-5 is thermally bonded. Binders that can fill the fabric matrix and inhibit saturation of the fabric are eliminated and the thermally bonded Poly-5 provides an open structure that allows coatings to flow through the matrix.

Note: Poly-5 is a somewhat rigid fabric that is useful on smooth surfaces. For flashings or on surfaces with irregularities Poly-1 a stitch-bonded reinforcement fabric can be used. Poly-1 is a soft fabric that will readily conform to irregular surfaces.

- Superior elongation.
- Superior strength.
- Exceptional resistance to puncture or tearing.
- Excellent durability and flexibility.
- Low shrinkage.
- Resistance to moisture, mildew, chemicals, ultraviolet light.
- Lightweight.
- Superior properties for smooth surfaces such as plywood or smooth concrete.
- Saturates quickly and easily.

#### Sizes

Full Size Roll  
 37-inch width x 165 feet

### 4. Technical Data

Weight ASTM D1117	2.2 oz. Per square yard
Thickness ASTM D1777	14 mils
Tensile Strength ASTM D1682	71.0 lbs.
Elongation ASTM D1682	42.0 %
Mullen Burst ASTM D3786	152.0 lbs.
Tear Strength (Trapezoid) ASTM D2263	18.0 lbs.

Note: These average typical properties are the average results of random tests conducted by an independent laboratory. They are

not to be construed as performance specifications.

#### Approvals

Consult manufacturer for information on approvals of various products by industry agencies or other entities.

### 5. Installation

**Application:** Poly-5 is used to reinforce a variety of elastomeric coating systems

Apply tack coat of AF-130 series coating at approximately 1 gallon per 100 square feet to surface. Immediately embed POLY-5 Polyester fabric into wet coating. Care must be taken to lay the fabric to the contact surface avoiding wrinkles, fishmouths, etc. Roller or brush shall be used to insure that Poly-5 is fully embedded.

After embedding POLY-5 into wet coating apply an additional coat of AF-130 series coatings, at a minimum rate of 2.0 gallons per 100 sq. ft. completely saturating Poly-5 fabric. Achieve a total of 25 mil base membrane thickness.

Usually each successive run of reinforcement fabric should be overlapped a minimum of 3", however the properties of Poly-5 allow some applications to be butt-seamed without an overlap.

Repair all fishmouths, bridging, or other defects in applied Poly-5 Reinforcement Fabric by cutting excess fabric, if required, and making necessary repairs using Poly-5 and AF-130 series coatings.

Consult system guidelines for detailed preparation, application, and coverage information.

## **6. Availability and Cost**

Poly-5 is available from Acrymax and through select distributors throughout the United States.

Cost information may be obtained from local distributors or through the manufacturer at the number listed in section 2.

## **7. Warranty**

Limited Material Warranty: Since Acrymax does not control the application of its products, or the condition of the surfaces to which they are applied; Acrymax's liability will under no circumstances exceed replacement of the product proven defective. Acrymax limited material warranty is available when all materials are used in strict accordance with all of Acrymax's requirements and recommendations. Acrymax's sole responsibility under this limited material warranty is for defective material and Acrymax's only obligation shall be to either replace or refund the purchase price of the materials or part thereof proven to be defective. No statement by anyone may supersede this limited material warranty, except when done in writing by Acrymax's Technical Service Office in Media, PA. Consult Acrymax for complete warranty information.

## **8. Maintenance**

Periodic inspections are advised for all projects. Repair as necessary.

## **9. Technical Services**

Factory service personnel offer

design assistance and technical support. For technical assistance, contact Acrymax.

## **10. Disclaimer**

The technical data and suggestions for use contained in this document and Acrymax published product information are believed to be true and accurate as of the date of issuance. The statements contained in these product information publications do not constitute a warranty, expressed or implied, as to the performance of these products. All technical information is subject to change without notice.

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