

### 1. Product Name

Poly-1 Reinforcement Fabric

### 2. Supplier

Acrymax Technologies Inc.  
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### 3. Product Description

#### Basic Use

POLY-1 Reinforcement Fabric is a high strength stitchbonded fabric for reinforcement of cold applied roofing systems and for use in other areas where reinforcement and added strength are necessary. Stitchbonding offers an unusual combination of high strength properties with good elongation for accommodation of thermal stress.

Tough and durable, yet flexible and lightweight, POLY-1 offers a unique combination of advantages over fiberglass or organic felts. It is a soft polyester that will readily conform to irregular surfaces. Excellent for detail and flashing work and use on seams on metal roofs.

- Superior elongation.
- Superior strength.
- Excellent durability and flexibility.
- Low shrinkage.
- Resistance to moisture, mildew, chemicals, ultraviolet light.
- Lightweight.
- Excellent conformability to irregular surfaces.
- Saturates quickly and easily.

### Sizes

#### Full Size Roll

40-inch width x 324 feet  
 (Actual sq. ft. per roll = 1080;  
 Allowing for 3" overlap = 1000 square feet applied)

#### Narrow Width Rolls

4, 6, 12, 18-inch width x 100 feet length  
 4, 6, 12, 18-inch width x 300 feet length

### 4. Technical Data

Weight	3 oz. per square yard
Tensile Strength	57.10 lbs.
Elongation	61.65 %
Mullen Burst	176.8 lbs.
Tear Strength	16.1 lbs.

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-1 is a conformable fabric that is used to reinforce a variety of elastomeric coating systems

Apply tack coat of AF-130 series coating at approximately 1 – 1.5 gallons per 100 square feet to surface. Immediately embed POLY-1 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-1 is fully embedded.

After embedding POLY-1 into wet coating apply an additional coat of AF-130 series coatings, at a minimum rate of 1.5 - 2.0 gallons per 100 sq. ft. completely saturating Poly-1 fabric. Achieve a total of 25 mil base membrane thickness.

Each successive run of reinforcement fabric should be overlapped a minimum of 3”.

Repair all fishmouths, bridging, or other defects in applied Poly-1 Reinforcement Fabric by cutting excess fabric, if necessary, and making repairs using Poly-1 and AF-130 series coatings.

After fabric and saturation coatings are cured apply finish coats to achieve desired membrane thickness. Membrane thickness should be 40 - 45 mils *minimum*.

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

### 6. Availability and Cost

Poly-1 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.

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## **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.