

# POLYGUARD 400 THRU WALL FLASHING MEMBRANE

## LAMINATED SELF-ADHESIVE MEMBRANE SYSTEM FOR THRU WALL FLASHING APPLICATIONS

### DESCRIPTION:

**POLYGUARD 400 THRU WALL FLASHING** is a 40 mil self-adhering, self-healing membrane consisting of a rubberized asphalt waterproofing element, bonded to a strong polyethylene film top surface.

**400 THRU WALL FLASHING** is available in a 12", 16", 18", 24" and 48" widths for a wide variety of conditions.

**POLYGUARD 650 LT LIQUID ADHESIVE**, a rubber based material in solvent solution, is used to prepare surfaces in all **THRU WALL FLASHING APPLICATIONS**. Low VOC compliant adhesives available for areas with special requirements.

**POLYGUARD 650 MASTIC** is a high quality rubberized asphalt based material. Used to seal top terminating edges of thru wall flashing, **650 MASTIC** eliminates the need for reglets in backup system. Pipe and other penetrations and terminations are sealed by **650 MASTIC**.

**POLYGUARD 95 LIQUID MEMBRANE**, a two urethane component material, is used to detail areas behind the sheet.

**POLYGUARD PREFABRICATED END DAMS AND CORNERS** are preformed and self-adhesive, and are used around windows, door openings, and beam headers forming a continuous water deterrent seal.

### USES:

**POLYGUARD 400 THRU WALL FLASHINGS** are used in exterior masonry wall systems to deflect water from thru wall penetrations. Applications include spandrel beams, sills, copings, door and window headers and flange flashings.

### ADVANTAGES:

**400 THRU WALL FLASHINGS** offer many advantages over other flashing systems:

- 1) **STRONG, YET FLEXIBLE** - **POLYGUARD THRU WALL FLASHINGS** can be field fabricated to meet various job site conditions without cracking as compared to some metal systems. The high puncture resistance provides protection against abuse by other trades during and after installation.
- 2) **FULLY ADHERED** - The rubberized asphalt membrane adheres tenaciously to the surface and itself eliminating flashing blowoff and tears, before exterior wall installation.
- 3) **COST EFFECTIVE** - **POLYGUARD THRU WALL FLASHINGS** eliminate the need for a reglet. Top terminations should be made with a termination bar or mechanically fastened and sealed with a trowelled bead of **POLYGUARD 650 MASTIC**.
- 4) **PERMANENT** - Used in many corrosive application's of waterproofing in high alkali conditions. Materials used in **POLYGUARD THRU WALL FLASHINGS** have been proven to be effective against moisture for over 25 years. Once installed and protected from ultraviolet light, the membrane will not rot or decay from mildew, mold or plasticizer migration like metal or PVC materials.
- 5) **STRETCHABLE** - **400 THRU WALL FLASHINGS** can accommodate a high degree of masonry movement.
- 6) **SELF-HEALING** - The cold flow properties of Polyguard's rubberized asphalt adhesive used in this flashing will help to self-heal if the flashing is punctured.
- 7) **SELF-SEALING** - The rubberized asphalt properties allows for self-sealing seams at temperatures above 40°F.
- 8) **POLYGUARD END DAMS AND CORNERS** - Foolproof and low cost alternative to expensive fabricated metal end dam corner systems.



This Information is based on our best knowledge, but  
POLYGUARD cannot guarantee the results to be obtained

**POLYGUARD PRODUCTS INC • ENNIS, TEXAS 75120-0755**

PH. 800-541-4994 • 972-875-8421 • FAX: 972-875-9425

Web Site: [www.polyguardproducts.com](http://www.polyguardproducts.com)



As of 8/1/2001 Polyguard Products' quality system has been certified to the following quality system requirements:  
• ANSIRAB  
• DUTCH COUNCIL FOR CERTIFICATION  
• STANDARDS COUNCIL OF CANADA

## GUIDE SPECIFICATIONS:

## PRODUCTS/HANDLING:

**POLYGUARD THRU WALL FLASHING SYSTEMS** components should be unloaded and stored in such a manner that prevents injury to the materials. All containers shall be protected from weather and can lids securely fastened.

## EXECUTION:

**SURFACE PREPARATION:** Clean all surfaces of dust, dirt and foreign matter. Eliminate sharp protrusions, which may puncture membrane. Surfaces should be dry prior to application of **POLYGUARD 650 LT LIQUID ADHESIVE** and **400 THRU WALL FLASHING**.

**PRIMING: 650 LT LIQUID ADHESIVE**, required on all applications, should be applied at an average rate of 250-300 S.F./gallon by brush or roller. Do not thin liquid adhesive. **650 LT LIQUID ADHESIVE** will become tacky. Membrane can be applied when liquid adhesive becomes tacky.

**SYSTEM APPLICATION:** Install **POLYGUARD 400 THRU WALL FLASHING** at locations requiring flashing to channel water out of cavity wall system through weep holes. Pre-cut **POLYGUARD 400 THRU WALL FLASHING** material into pieces that are easy to handle. Peel silicone-coated release sheet off, start applying membrane with pressure. Use a hand roller or blunt end object to assure that the **400 THRU WALL FLASHING** is adhered to corners and angles. Vertical termination on backup system should extend 8" and be sealed on the day of installation with **POLYGUARD 650 MASTIC**. In addition a termination bar is recommended. Extend membrane to within 1/2" of exterior face of masonry wall. **THRU WALL FLASHING** is installed on spandrel beams, ledges, window and door headers and other penetration/ interruptions of wall system. All overlaps of flashing to be a minimum 2" and should shed or run parallel to direction of water flow. Adhesion test of the overlap bond at temperatures below 40° should be field tested prior to application. A possible adhesion enhancement would be to apply 650LT Liquid Adhesive to the laps. Membrane may be applied to 25°F.

**DETAILS/PROTRUSIONS: 650 MASTIC** is used to seal membrane to pipes and other protrusions. **650 MASTIC** should not be used at bottom terminations before application of **POLYGUARD THRU WALL FLASHING SYSTEM**.

## LIMITATIONS:

**POLYGUARD 400 THRU WALL FLASHING** is recommended for concealed applications behind brick, marble, granite, siding or other exterior wall covering system. **POLYGUARD MEMBRANES** should be covered within 30 days to prevent prolonged exposure to sunlight.

## PRECAUTIONS:

**650 LT LIQUID ADHESIVES** are industrial coatings and would be harmful or fatal if swallowed. Marked as a red label flash point product, prohibit flames, sparks, welding and smoking during application. Refer to product label and Material Safety Data Sheets for handling, use and storage.

Solvents could be irritating to the eyes. In case of contact with eyes, flush with water and contact physician.

Avoid prolonged contact with skin and breathing of vapor or spray mist from liquid adhesive. If in confined areas, use adequate forced ventilation, fresh air masks, explosion proof equipment, and clean clothing. Close container after each use. Keep out of reach of children.

This material is offered for sale by **POLYGUARD PRODUCTS, INC.**, only for the expressed purposes as described in this literature. Any use of the products described in this literature for purposes other than taught therein by **POLYGUARD PRODUCTS, INC.** shall be the responsibility of the purchaser and **POLYGUARD PRODUCT, INC.** does not warrant nor will be responsible for any misuse of these products. **POLYGUARD PRODUCTS, INC.** will replace F.O.B. Ennis, Texas, material not meeting our manufacturer's specifications one year from date of sale. **POLYGUARD** products as described herein are for industrial use only. The application procedures should be performed by workmen who are skilled in the application of materials described herein in accordance with manufacturer specifications.

## MATERIAL SAFETY DATA:

All Material Safety Data Sheets and precautionary labels should be read and understood by all user supervisory personnel and employees before using. Consult **POLYGUARD PRODUCTS, INC.**'s Material Safety Data Sheets and OSHA regulations for additional safety and health information for the products described herein. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use of the product including waste disposal.

This is not a Material Safety Data Sheet and is not to be used as such. **POLYGUARD** has prepared separate Material Safety Data Sheets on each product.

**TECHNICAL SERVICE AND AVAILABILITY:**

Technical assistance, information and **POLYGUARD** products are available through a nationwide network of distributors and architectural representatives, or contact **POLYGUARD PRODUCTS, INC.**

**TECHNICAL DATA:**

<b>PHYSICAL PROPERTIES:</b>	<b>POLYGUARD 400</b>
Total Thickness ( <i>Mils</i> )	40 Mils.
Puncture Resistance - Film ( <i>ASTM-D-781</i> ) Kg/CM	110
Puncture Resistance of Composite Membrane ( <i>ASTM E-154</i> ) LBS	40 Min.
Tensile Strength of Composite Membrane ( <i>ASTM-D-412 Modified Die C</i> )	750 PSI Min.
Elongation Ultimate Failure of Rubberized Asphalt ( <i>ASTM-D-412</i> ) ( <i>Modified Die C</i> )	400% Min.
Water Vapor Transmission- ( <i>Permeance</i> ) ( <i>ASTM-E-96 Method B</i> ) ( <i>Grains/Sq.Ft./Hr. in HG</i> )	0.035 Max.

**PACKAGING: POLYGUARD 400 THRU WALL FLASHINGS**

<b>ROLL SIZE</b>	<b>SF/ CTN</b>	<b>ROLLS/ CTN</b>	<b>WT/ CTN</b>	<b>CTN/ PALLET</b>	<b>PALLETS/ T/L</b>
12" x 75'	225	3	60 LBS	36	16
16" x 75'	300	3	80 LBS	25	15
18" x 75'	225	2	60 LBS	36	16
24" x 75'	300	2	80 LBS	25	15
48" x 75'	300	1	80 LBS	25	15

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