

POLYGUARD 105-12 FLASHING

LAMINATED SELF-ADHESIVE MEMBRANE SYSTEM FOR
HEAVY DUTY FLOORING APPLICATIONS

DESCRIPTION:

POLYGUARD 105-12 FLASHING MEMBRANE is a strong, pliable, 105 mil, self-adhesive sheet consisting of high density polyethylene film bonded to a layer of rubberized asphalt waterproofing compound with split release sheet to conform to 90° angles.

105-12 FLASHING MEMBRANE is available in 12" x 25' rolls.

POLYGUARD 650 LT LIQUID ADHESIVE, a rubber based material in solvent solution, is used to prepare surfaces prior to application of the **105-12 FLASHING**.

POLYGUARD 650 MASTIC is a high quality rubberized asphalt based material. Used to seal top terminating edges of **105-12 FLASHING**. Pipe and other penetrations and terminations are sealed by **650 MASTIC**.

POLYGUARD 95 LIQUID MEMBRANE, a two component material, is used in difficult to detail areas.

USES:

105-12 FLASHING is used in exterior flashing applications to deflect water. Applications include spandrel beams, sills, copings, door and window headers and flange flashings.

ADVANTAGES:

105-12 FLASHING offer many advantages over other flashing systems:

1) STRONG, YET FLEXIBLE - **POLYGUARD 105-12 FLASHING** 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 blow-off and tears, before exterior wall installation

3) PERMANENT - Used in many corrosive application from steel pipeline protection to concrete waterproofing. **105-12 FLASHING** has been proven to be effective against moisture for over 40 years.

Once installed and protected from ultraviolet light, the membrane will not corrode or decay from mildew, mold or plasticizer migration like metal or PVC materials.

4) STRETCHABLE - **105-12 FLASHING** can accommodate a high degree of masonry movement.

5) SELF-SEALING - The cold flow properties of **POLYGUARD'S** rubberized asphalt adhesive used in this flashing will help to self-seal if the membrane is punctured.

GUIDE SPECIFICATIONS

PRODUCTS/HANDLING:

105-12 FLASHING and 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 **105-12 FLASHING**.

PRIMING: **POLYGUARD 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 remain tacky. Membrane can be applied 30-60 minutes after liquid adhesive is applied.

SYSTEM APPLICATION: Install **105-12 FLASHING MEMBRANE** at locations requiring flashing to channel water out of cavity wall system through weep holes. Vertical termination on backup system should extend 8" and be sealed on the day of installation with **POLYGUARD 650 MASTIC**. The use of a termination bar is recommended for extra protection. Extend membrane to within 1/2" of exterior face of masonry wall. **105-12 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. Prime overlaps in temperatures below 40°F. 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.

Polyguard

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

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LIMITATIONS:

POLYGUARD 105-12 FLASHING MEMBRANES are 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. Before installation, all horizontal surfaces should be checked to make sure that slope is sufficient for drainage. **105-12 FLASHING** is not recommended for use in areas where ponded water will occur.

PRECAUTIONS:

POLYGUARD 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.** 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 DATA:

PHYSICAL PROPERTIES	TEST METHOD	TYPICAL RESULTS
Total Thickness (mils)		105
Tensile Strength - Membrane (PSI)	ASTM D-412 (Modified Die C)	325
Tensile Strength - Film (PSI)	ASTM D-882 (Method A)	6500
Elongation-Ultimate Failure of Rubberized Asphalt	ASTM D-412 (Modified Die C)	600%
Permeance - grains/sq.ft./hr./in. HGF	ASTM E-96 (Method B)	.05
Cycling Over Crack - -15°	ASTM C-836	No Effect
Peel Adhesion - lbs./inch width	ASTM D-1000	10.0
Overlap Bond - lbs./inch width	ASTM D-1000	8.0
Pliability - 180° Bend Over 1" Mandrel at -25°F	ASTM D-146	No Effect
Puncture Resistance - Membrane (Blunt Instrument) Lbs.	ASTM E-154	40
Resistance to Hydrostatic Head (Head Ft. of Water)	ASTM D-5385	231
Exposure to Fungi in Soil - 16 Weeks	GSA-PBS 07115	No Effect
Water Absorption % by Weight	ASTM D-570	.1

PACKAGING: POLYGUARD 105-12 FLASHING				
ROLL SIZE	SQ. FT. PER CARTON	ROLLS PER CTN	CTN PER PALLET	PALLETS/TRUCKLOAD
12" X 25'	100	4	25	16

TECHNICAL SERVICES:

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