

105 FLASHING

Heavy Duty Self-Adhesive Flashing Membrane

Product Data Sheet

PRODUCT NAME

105 Flashing

MANUFACTURER

Polyguard Products, Inc.
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PRODUCT DESCRIPTION

BASIC USES

105 Flashing is used for balcony flashing to deflect water.

ACCESSORIES

- 650 LT Liquid Adhesive, a rubber-based, tacky adhesive which is specifically formulated to provide excellent adhesion.
- California Sealant, a rubber-based sealant which is specifically formulated to provide excellent adhesion.
- Detail Sealant PW™ is a single-component, STPE, 100% solid moisture-cured, elastomeric sealant. It is an environmentally-friendly, non-isocyanate product that replaces silicone and urethane sealants. It is a low VOC/HAPS free, cold-applied, self-adhesive, elastomeric sealant.
- LM-95, a two-component, asphalt-modified, urethane material.

PRODUCT FEATURES

105 Flashing offer many advantages over other flashing systems:

- **Strong, yet flexible** – 105 Flashing can be field cut 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.
- **Fully adhered** - The rubberized-asphalt membrane adheres tenaciously to the surface and itself, eliminating blow-off and tears, before exterior wall installation.
- **Permanent** - Used in many corrosive applications of concrete waterproofing in high alkali conditions. Materials used in 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.
- **Packaging:** 105 Flashing is packaged in 50-foot rolls that is available in 12-inch and 18-inch widths.
- **Stretchable** – 105 Flashing can accommodate structural movement.
- **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 and the fastener is left in place.

COMPOSITION & MATERIALS

105 Flashing 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 slit release sheet to conform to 90° angles.

TECHNICAL DATA

See physical properties table.

INSTALLATION

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 650 LT Liquid Adhesive, California Sealant, and 105 Flashing.

PRIMING: Apply 650 LT Liquid Adhesive, required on all applications, at an average rate of 250-300 S.F./gallon by brush or roller. Do not thin the liquid adhesive. 650 LT Liquid Adhesive will remain tacky. 105 Flashing can be applied 30-60 minutes after the adhesive becomes tacky to touch.

SYSTEM APPLICATION: Install 105 Flashing at locations requiring flashing away from wall to channel water out. Extend the vertical termination on substrate 6-inches and seal on the day of installation with Detail Sealant PW™. The use of a termination bar is recommended for extra protection. All overlaps of flashing shall be a minimum of 2-inches and shed or run parallel to the direction of water flow. Prime overlaps if the surface or ambient temperature is below 40°F (4°C). Membrane may be applied to 25°F (-4°C).

DETAILS/PENETRATIONS: Detail Sealant PW™ is used to seal membrane to pipes and other penetrations.

LIMITATIONS

105 Flashing is recommended for concealed applications behind brick, marble, granite, siding or other exterior wall covering system. Cover the membrane 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 Flashing is not recommended for use in areas where ponded water will occur.

GUARANTEE

105 Flashing will meet published specifications at the time of delivery.

STORAGE

System 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.

SAFETY

SDS documents for all Polyguard products can be obtained at our website www.polyguard.com. Call Polyguard Products, Inc. at (214) 515-5000 with questions.

WARRANTY

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as

suitable for this product. Proof of purchase must be provided. A five (5) year material or system warranty may be available upon request. Contact Polyguard Products, Inc. for further details.

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.

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PROPERTY	TEST METHOD	TYPICAL VALUE
MEMBRANE THICKNESS		105 mils
TENSILE STRENGTH - MEMBRANE	ASTM D 412 Modified Die C	325 PSI
TENSILE STRENGTH - FILM	ASTM D 882 Method A	6500 PSI
ELONGATION-ULTIMATE FAILURE OF RUBBERIZED ASPHALT	ASTM D 412 Modified Die C	600%
PERMEANCE	ASTM E 96 Method B	0.05 grains/sq.ft./hr./in. HGF
CYCLING OVER CRACK -15°F	ASTM C 836	No Effect
PEEL ADHESION	ASTM D 1000	10.0 lbs./inch width
OVERLAP BOND	ASTM D 1000	8.0 lbs./inch width
PLIABILITY	ASTM D 146 180° BEND OVER 1" MANDREL AT -25°F	No Effect
PUNCTURE RESISTANCE - MEMBRANE	ASTM E 154 (Blunt Instrument)	40 lbs.
RESISTANCE TO HYDROSTATIC HEAD	ASTM D 5385	231 ft.
EXPOSURE TO FUNGI IN SOIL	GSA-PBS 07115 (16 weeks)	No Effect
WATER ABSORPTION % BY WEIGHT	ASTM D 570	0.1

PACKAGING	PART NUMBER	UNIT SIZE
105 FLASHING	10512	12" x 50' rolls (2/ctn)
105 FLASHING	10518	18" x 50' roll (1/ctn)
BALCONYGUARD™	BALCONY GUARD 48	48" x 50' roll
BG OUTSIDE CORNER BOOT 6" X 6" X 6"	PREFABRICATED CORNER BOOT 6"	N/A
650 LT LIQUID ADHESIVE	650-5 LIQ ADH 5 GA	5 gallon pail
650 LT LIQUID ADHESIVE	650-5 LIQ ADH 1 GA	4 - 1 gal pails/ctn
CALIFORNIA SEALANT	CALSEAL5	5 gallon pail
DETAIL SEALANT PW™	DETAIL SEALANT PW - SAU 20 OZ	20 sausages/ctn
DETAIL SEALANT PW™	DETAIL SEALANT PW - 3 GAL	3 gallon pail

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