

POLYGUARD LM-100

Single Component Detailing Sealant

DESCRIPTION:

POLYGUARD LM-100 is a single component polymer modified sealant compound for use in a variety of detailing applications in conjunction with Polyguard Waterproofing and Wall Flashing Systems. The LM-100 cures and remains flexible to provide a tight seal.

USES: **POLYGUARD LM-100**

- Used with Polyguard Waterproofing and Wall Flashing Membranes for various types of detailing and sealing applications.
- Should be used as the fillet material at vertical and horizontal corners with the Polyguard Waterproofing System.
- Should be used around drain detailing areas and as a termination sealant material for protrusions through the waterproofing or wall flashing systems.
- Also used for terminations and flashings to curbs and parapets on plaza decks or other similar vertical and horizontal applications.

TECHNICAL DATA:

PHYSICAL PROPERTIES	TYPICAL RESULTS
Color	Black
Solids by Volume	70% approximately
Weight	10 lbs./gal. approximately
Coverage	@ 1/8" thick - 16 sq.ft per gal. 1/8" film
Maximum V.O.C	250 grams/liter
Application Temperature	Ambient (Thickens at low temperatures)
Chemical Resistance	Resists water, calcium chloride, salt, mild acid and alkaline solutions. Non-resistant to oil, grease or solvents
Water Vapor Permeance (ATM E96)	@ 1/8" thickness 2.9 ng/Pa.m ² .s (0.05 perms)

APPLICATIONS:

POLYGUARD LM-100 may be applied to surfaces down to 32°F (0° C.) When working with material in cold temperatures **LM-100** must be stored in a warm area before the application. All surfaces to receive **LM-100** must be free of contaminants and dry for the application. Areas to receive **LM-100** do not have to be primed to receive the product unless they are extremely dusty. A test application for adhesion is recommended. This product is one component and does not require mixing and should not be diluted for use. This product is a gun or trowel consistency and may be applied by knife, tool or caulking gun. A tooled finish will help avoid air pockets and improve adhesion to the substrate.



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

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Polyguard Products' has been certified to these quality systems requirements:
 - American Natl. Standards Institute
 - Dutch Council for Certification
 - Deutscher Akkreditierungs Rat

Estimated curing time is approximately 4 hours @ 50% R.H. with 68% F. Curing time may be accelerated at high temperatures. The material will cure to a very flexible, rubber like material. Cured material in containers must be discarded.

The **POLYGUARD 650 WATERPROOFING MEMBRANE and WALL FLASHING MEMBRANES** may be applied directly over **LM-100** only after it is cured. **LM-100** must be applied in a minimum of 90 mils of coverage, unless otherwise noted on any details. In a reinforcing or fillet application at footing and wall junction, under the **POLYGUARD 650 WATERPROOFING SYSTEM**, it should be applied with a minimum of 3/4" face.

When used as a sealant at membrane terminations **LM-100** must be applied a minimum of 2" over the waterproofing membrane and a minimum of 2" onto the surface being waterproofed.

LM-100 will adhere to primed or unprimed concrete but unprimed concrete is preferred. **LM-100** will also adhere to other dry substrates that are sound and free from frost, grease, oil and loose or spalled materials. Porous surfaces may require repair and/or priming before application of **LM-100**. Substrates must not be wet for proper adhesion of **LM-100**.

Metal surfaces must be cleaned and free from rust, mill scale, grease, oil and other possible contaminants. Metal surfaces should be below 104 degrees F. at the time of application.

Before any flood testing should occur, a minimum cure of 4 hours must be allowed for **LM-100**.

Coverage of **LM-100** is approximately:

- FLASHINGS – ½" x ½" bead, one gallon will cover approximately 92 lineal feet.
- FLASHINGS – 1" 1" troweled bead, one gallon will cover approximately 23 lineal feet.
- FILLET ONLY - One gallon will cover approximately 65 lineal feet.

Clean all tools and equipment with mineral spirits before **LM-100** has cured.

PACKAGING: **LM-100** is packaged in 30 oz. tubes and 2 gallon pails.

SAFETY, STORAGE, AND HANDLING INFORMATION:

POLYGUARD LM-100 vapors may be harmful. Do not thin. Combustible. Keep away from open flame and heat. Do not heat container or store at temperatures greater than 120 degrees F. Refer to product label for handling precautions.

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.**