



Elemax* 5000

liquid flashing

Product Description

GE Elemax 5000 Liquid Flashing is a 100% silicone, one-component, solvent free, low-sag, Air and Water-Resistive Barrier (AWB) flashing.

Basic Uses

Elemax 5000 Liquid Flashing is commonly used to seal joints, seams, gaps, over/under-driven fastener heads, flashing, treat rough openings, inside/outside corners, and for adhering transition materials such as GE UltraSpan* UST/USM molded strips and corners.

Key Features and Typical Benefits

- **Primerless adhesion:** Can be trowel-applied, even over cut drywall, to-flash windows and other rough openings, seams, gaps and transitions.
- **Seamless and monolithic air barrier:** Liquid-applied flashing allows for a seamless, monolithic air barrier when used as part of the Elemax silicone AWB system.
- **Simple installation:** Elemax 5000 Liquid Flashing provides easy application and compatibility with adjacent building components.

Typical Performance and Application Properties

Performance

- **Silicone Durability** - cured silicone rubber exhibits excellent long-term resistance to natural weathering including: extreme temperatures, ultraviolet radiation, rain and snow, with negligible change in elasticity
- **Elastomeric** - Cures to form a permanently flexible continuous membrane virtually unaffected by temperature extremes
- **Self-sealing** - Passes water penetration standards for nails and fasteners

Application

- **Primerless Adhesion** - Bonds strongly to many typical substrates without the need of a primer
- **Fast Cure** - Provides rapid adhesion to many substrates

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Products

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Packaging and Colors

Elemax 5000 Liquid Flashing is currently available in the following configurations:

- 10.1 fl oz (299 ml) plastic caulking cartridges
- 20 fl oz (591.5 ml) foil sausage packs

Colors

Elemax 5000 Liquid Flashing is currently available in black.

General Considerations for Installation

Refer to Elemax 2600 AWB current specifications, installation guidelines and details for application instructions.

Typical Physical Properties

Typical physical properties of Elemax 5000 Liquid Flashing as supplied and cured are set forth in the tables below.

Typical Properties – Supplied

Property	Value ⁽¹⁾	Test Method
Consistency	Paste	
Polymer	100% silicone	
VOC	20 g/l	WPSTM C1454
Work Life (tooling time)	30-40 minutes	
Tack Free Time	3-4 hours (@ 72°F, 50% RH)	ASTM C679

Typical Properties – Cured

Property	Value ⁽¹⁾	Test Method
Hardness, Durometer	24-26	ASTM D2240
Ultimate Tensile Strength	>300 psi (2.07 MPa)	ASTM D412
Ultimate Elongation	>650%	ASTM D412
Peel Strength (average) (21-day cure @ 75°F (21°C) 50% RH)	>40 pli	ASTM C794
Joint Movement Capability	±50%	ASTM C719
Application Temperature Range	0°F to +122°F (-18°C to 50°C)	
Service Temperature Range (after cure)	-55°F to +300°F (-48°C to 149°C)	
Weathering and U.V. Resistance	Excellent	GE 30 yr. study
Full Cure	1-2 days (varies with temperature and RH)	

(1) Typical properties are average data and are not to be used as or to develop specifications.

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Technical Services

For additional technical resources, please contact your local customer service center. (See Customer Service Centers section herein for contact information.) Any technical advice furnished by MPM or any representative of MPM concerning any use or application of any MPM product is believed to be reliable, but MPM makes no warranty, expressed or implied, of suitability for use in any application for which such advice is furnished.

Customer Evaluation

Customers must evaluate MPM products and make their own determination as to the fitness of use in their particular applications.

Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Safety Data Sheets are available at www.ge.com/silicones or upon request from any MPM representative. Store GE Elemax 5000 Liquid Flashing in dry conditions below 80°F (27°C). Use of other materials in conjunction with MPM sealant products (for example, primers may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Elemax 5000 Liquid Flashing should not be considered for:

- Underwater or other applications where the product will be in continuous contact with water.
- Installation on wet, damp, frozen or contaminated surfaces.
- Application to excessively basic or acidic substrates.
- In designs where the silicone is encapsulated and without access to atmospheric moisture (this material requires atmospheric moisture to cure from paste to rubber).

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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