

Elemax™ SS Flashing

Self-Adhering Stainless Steel Flashing

Product Description

Elemax SS Flashing is made up of a flexible 2 mil sheet of type 304 stainless steel, 8 mils of butyl adhesive and a siliconized release liner. Elemax SS Flashing membrane offers exceptional puncture and tear resistance, and provides broad installation and in service temperature range.

Key Features and Typical Benefits

- **Cost Effective** – Simple primerless application and the potential elimination of stainless steel drip edge allows for optimization of material and installation costs.
- **Compatibility** – Compatible with Elemax 2600 AWB coating, Elemax 5000 liquid flashing as well as a majority of sealants, insulations, below grade waterproofing and roofing membranes.
- **Durable** – 304 Stainless steel sheet facer and butyl adhesive offers excellent resistance to puncture, tear, and UV.
- **Sustainable** – Manufactured from 60% recycled stainless steel.
- **LEED Credits** – Contributes towards LEED: EA Credit 1 (optimize energy performance) and EQ Credit 4.1 (low emitting materials).
- **Simple Installation** – Primerless application to most substrates, strongly bonding to many typical substrates including glass mat faced gypsum sheathing, masonry, concrete, metals, plywood and OSB.

Potential Applications

Elemax SS Flashing is an excellent product to consider for use as through-wall flashing, transition membrane, detail flashing, curtain wall perimeter flashing, window and door pan, jamb closure flashing and roof to parapet flashing.

NOTE: Elemax SS Flashing membrane should not be considered for:

- Below grade applications.
- Wet, damp, frozen, dirty, or contaminated surfaces.
- Contact with materials that contain high plasticizer contents.

Packaging

- Elemax SS Flashing membrane is currently available in 50' rolls (15 m) with standard widths:
4" (102 mm)
6" (152 mm)
12" (305 mm)
18" (457 mm)
24" (610 mm)
36" (914 mm)
- Additional widths may be available upon request.

Typical Physical Properties

Typical physical property values of Elemax SS Flashing are set forth in the tables below.

Typical Properties

Property ⁽¹⁾	Value	Test Method
Tensile Strength	100,000 psi	ASTM D882
Puncture	2,500 psi	ASTM E154
Adhesion	20 psi	PSTC-1
Nail Sealability	Pass	ASTM D1970
Surface Burning Characteristics	Class A	ASTM E84
Mold Resistance	Pass	ASTM D3273
Application Temperature	20°F to 170°F (-7°F to 77°F)	
Service Temperature	-70°F to 250°F (-57°C to 121°C)	

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

Installation

Installation Temperatures

The Elemax SS Flashing membrane can be applied under most seasonal conditions including during colder months. Substrates must be clean, dry and frost free. Application may proceed under colder conditions as low as 20°F (-7°C) as long as the material is applied to a dry substrate.

Surface Preparation

- All surfaces must be clean, dry and free of contaminants that may interfere with proper bonding of the membrane.
- Where necessary, clean loose mortar and other contamination on masonry with a wire brush or similar abrasion to provide a stable, clean, and dust-free surface for application.
- Ensure there are no slopes that will form pockets or prevent a proper drainage plane. Ensure all work is completed in accordance with accepted trade practices.

Application

- Cut the desired length of the Elemax SS Flashing membrane and remove release liner.
- Position membrane in place and apply firm pressure with a vinyl or steel roller avoiding blisters and wrinkles.
- Overlap all joints a minimum of 2" (50 mm).
- Seal all exposed edges of the Elemax SS Flashing with a bead of Elemax 5000 or compatible SilPruf Sealant such as SCS2000 or SCS2700.

Through Wall Flashing

- Install in accordance with accepted industry trade practices and/or as depicted in project specifications and details.
- Extend flashing 6" (152 mm) minimum beyond opening. Fold flashing ends at end of openings or horizontal flashing terminations to form an end dam.
- Flashing height must be at least 2" (50mm) above the lintel, extend through the cavity and terminate at the outside face of the exterior wall.
- Splice end joints by overlapping them a minimum of 2" (50 mm) and seal with Elemax 5000 liquid flashing.

Masonry Back Up

- Surface apply Elemax SS Flashing before or after installation of Elemax 2600 AWB coating.
- Fasten to masonry back-up surface at top by embedding in layer of uncured Elemax 5000 liquid flashing troweled smooth at minimum 30 mils thick x 1" (25 mm) width ensuring a water and air tight seal is achieved or use a noncorrosive termination bar and fasten it to the backer wall at the top edge of the flashing and seal with Elemax 5000 liquid flashing. A termination clamp embedded in the block backup wall may also be utilized.

Concrete Back Up

- Surface apply before or after installation of Elemax 2600 AWB coating.
- Fasten to concrete surface at top by embedding in layer of uncured Elemax 5000 liquid flashing troweled smooth at a minimum 30 mils thick x 1" (25 mm) ensuring a water and air tight seal is achieved or use a non-corrosive termination bar and fasten it to the backer wall at the top edge of the flashing and seal with Elemax 5000 liquid flashing.

Stud Back Up With Sheathing

- Surface apply before or after installation of Elemax 2600 AWB coating.
- Fasten to stud back up wall at top by embedding in layer of uncured Elemax 5000 liquid flashing troweled smooth at a minimum 30 mils thick x 1" (25 mm) ensuring a water and air tight seal is achieved or use a non-corrosive termination bar and fasten it to the backer wall at the top edge of the flashing and seal with Elemax 5000 liquid flashing.
- At the end of openings fold ends of flashing to form dam; seal with Elemax 5000 liquid flashing.
- Inside and outside corners: Make in accordance with industry accepted standards utilizing corner and splice material.
- Use stainless steel or copper drip edge in any location that the underside of the flashing will be exposed and/or if deemed necessary by a design professional.
- Flashing should be covered as soon as possible to avoid damage from different trades, the environment and falling debris. Contact Momentive Performance Materials, Inc. Technical Service for repair procedures if damage occurs.
- Primer: Not necessary in most applications, when applied to a clean dry surface. Job site adhesion tests should be performed to ensure appropriate adhesion. On surfaces that need additional adhesion, prime surface with solvent or emulsion base primer. Allow primer to dry completely before installing Elemax SS Flashing membrane.

Other AWB System Components

For use as embedment, terminations and splices:

- Elemax 5000 liquid flashing
- SilPruf™ SCS2000 silicone sealant
- SilPruf SCS2700 LM low modulus silicone sealant
- SilPruf SCS9000 NB non-staining silicone sealant
- SWS silicone weathersealing sealant

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.

Limitations

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

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.

Product Safety

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.siliconesforbuilding.com or, upon request from any MPM representative. 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.

Handling and Storage

- Store Elemax SS Flashing membrane between 20°F - 110°F (-7°C - 43°C) and in dry conditions.
- Do not double stack pallets.
- Wearing gloves while handling is recommended for protection from sharp edges.

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