



Description:

MajorSeal® Liquid Flashing is designed to provide waterproofing protection for difficult flashing conditions when standard flashing accessories cannot be used. The MajorSeal® Liquid Flashing System offers an alternative to traditional flashing technology. MajorSeal® Systems combine MajorSeal® Liquid Flashing and GAF Roof Mate Fabric to form a durable, redundant flashing membrane. Available in a convenient, easy-to-use kit, MajorSeal® Liquid Flashing is a VOC-compliant, one-part, moisture-curing, gray polyether sealant.

MajorSeal® Liquid Flashing is easy to install. Compatible substrates include concrete, masonry (uncoated block and brick), TPO, wood, EFIS, and granule-surfaced BUR and SBS cap sheets. In addition, MajorSeal® Liquid Flashing is compatible with most metals (excluding Kynar®-coated metals and copper). Do NOT use on APP or single-ply membranes such as EPDM or PVC. MajorSeal® Liquid Flashing is designed for use with hot asphalt or heat-welded applications.

Contact GAF Technical Support at 1-800-766-3411 if there are questions on compatible substrates or application method. MajorSeal® Liquid Flashing requires the addition of Mineral Shield™ Roofing Granules, or a GAF Coating.

Uses:

The MajorSeal® Liquid Flashing System is used to provide protection in irregularly shaped penetrations, low parapet walls, at door thresholds, in lieu of pitch pans, and at virtually any application where more traditional flashings are not practical. MajorSeal® Liquid Flashing is NOT to be used in ponding water conditions or around drains or scuppers.

MajorSeal® Liquid Flashing cures in humid or dry climate conditions and may be installed at temperatures ranging from 30°F (-1.1°C) to 100°F (37.8°C).

Advantages:

- One-part — no special tools or mixing required
- Less waste — open pouches can be sealed for reuse reducing pot life concerns
- VOC compliant — (less than 25 grams/liter at 240°F [116°C]), solvent free
- Non-slumping on vertical surfaces
- Coatable after 24 hours
- Can be installed in temperatures from 30°F (-1.1°C) – 100°F (37.8°C)
- No shrinkage due to high solids moisture cure

IMPORTANT: On projects where enhanced GAF Guarantee coverage is sought, contractors must contact your GAF Field Services Area Manager or Director to assess application suitability prior to use.

Approvals and Certification:

- Conforms to OTC rule for sealants and caulks
- Meets requirements of California VOC regs: CARB and SCAQMD
- Tested per ASTM D2369
- EPA method 24

Typical Properties

VOC (max)	<25 grams/liter
Service Temperature	-40°F (-40°C) to 200°F (93.3°C)
Full Cure	Weather dependent; varies greatly by temperature and humidity. 24 hours @ 60 mil total thickness.
Skin Time	Weather dependent; varies greatly by temperature and humidity. Approximately 4 hrs at 70°F (21.1°C) and 50% relative humidity.
Shrinkage	0%
Tensile Strength	243 lbf less scrim
Required Mil Thickness	Total — 60 wet mils
	Base coat — 30 wet mils
	Second coat — 30 wet mils



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For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com

We protect what matters most™



Application:

Application Considerations

Before using, always review complete application instructions and construction details at gaf.com.

MajorSeal® Liquid Flashing is easy to install. Compatible substrates include concrete, masonry (uncoated block and brick), most metals (see above), TPO, wood, EFIS, and granule-surfaced BUR and SBS cap sheets.

Use MajorSeal® Liquid Flashing products only on clean, dry substrates; they will not adhere properly where contamination is present. All substrates must be free of residual contamination (e.g., oils, asphalt, or plastic cement). Contaminates such as asphalt will impede adhesion; they may stain through the flashing material and cause discoloration. Use mechanical abrasion where appropriate to ensure a clean substrate.

Complete the cleaning process by wiping the substrate with isopropyl alcohol. Allow the alcohol to flash off prior to the application of the flashing material. Do not use cleaning products such as mineral spirits or xylene, or any hydrocarbon solvent, as they will leave a film and impede adhesion of the liquid flashing.

MajorSeal® Liquid Flashing may flow through gaps greater than ¼ inch (6 mm). Where gaps greater than ¼ inch (6 mm) are present, bridge the gap with M-BOND™ Sealant. For gaps ½ inch (13 mm) or larger, place a backer rod in the gap, and then seal with M-BOND™ Sealant. Do not substitute sealants. Sealants with alternate chemistries will not be compatible with MajorSeal® Liquid Flashing.

When used with TPO, apply TPO Red Primer to a clean surface free of debris where MajorSeal® Liquid Flashing will be applied and let it flash off. Using a notched trowel in the kit, apply at a thickness of 30 wet mils per application (a second coat will be required).

Use a wet mil gauge to ensure proper amount of material is installed.

Install precut GAF Roof Mate™ Fabric around the penetration so that the fabric extends a minimum of 4 inches (102 mm) onto the field membrane and a minimum of 4 inches (102 mm) onto the penetration.

Embed the fabric into the base layer of liquid flashing using the smooth side of the trowel in the kit so that fabric lies smooth and flat.

Install a second coat of 30 wet mils/ approximately 28 lineal feet (8.51 lm) per coating per pouch of liquid flashing to achieve a total of 60 wet mils of liquid flashing. Extend the second coat a minimum of 2 inches (51 mm) past the fabric in the field and on the penetration. If application of the second coat displaces the fabric, straighten the fabric and use a brush to tool-in the remaining liquid flashing.

Apply Mineral Shield™ Roofing Granules immediately after second coat or an initial coat of GAF Roof Mate™ Top Coat when installing over TPO. Add an additional coating of GAF Roof Mate™ Top Coat over granules or as a second coating when using with TPO.

Coverage varies by substrate, but is generally 15 sq. ft. per 2L pouch, when applied at a thickness of 60 mil. Drying time also varies by condition. Do not apply if there is threat of rain within the following 6 hours.

Do not install at temperatures below 30°F (-1.1°C).

Clean-Up:

Wet material may be cleaned up with alcohol. Cured liquid flashing may be scraped or abraded from substrate.

Storage and Shelf Life:

Store original, unopened containers in a cool, dry place. MajorSeal® Liquid Flashing will not freeze. Continued storage at elevated temperatures (70°F [21.1°C] and at 50% relative humidity) will shorten expected shelf life. With proper storage, MajorSeal® Liquid Flashing is expected to last approximately one year from the date of manufacture. Once opened, the foil pouch may be resealed and used within 14 days of opening. Where subsequent use is expected, remove all air from the foil pouch prior to resealing. Do not use if material does not flow freely from pouch or has cured particles.

For application questions contact GAF Technical Support at 1-800-766-3411 or visit gaf.com.

Packaging:

■ Kit 1

Contents	Weight per Kit
■ 3 — 0.53-gallon (2 L) pouches of MajorSeal® Liquid Flashing ■ 2 — 10.1-oz (.30 liter) tubes of M-Bond™ Sealant ■ 1 pair — disposable gloves ■ 1 — notched trowel ■ 1 — 6" x 50" (1.8 x 15 m) roll GAF Roof Mate™ Fabric ■ 3 — nozzle extensions	24 lb. (10.89 kg)

■ Kit 2

Contents	Weight per Kit
■ 4 — MajorSeal® Liquid Flashing pouches	25 lb. (11.3 kg)

- Available in a 4-pack box.