

MAJORSEAL™ Liquid Flashing

Updated: 8/16



*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*



MAJORSEAL™

LIQUID FLASHING (1 of 2)

Waterproof
Difficult
Flashing
Conditions

Description

MajorSeal™ Liquid Flashing is designed to waterproof difficult flashing conditions. The MajorSeal™ Liquid Flashing System offers an alternative to traditional flashing technology. MajorSeal™ Systems combine MajorSeal™ Liquid Flashing and United Coating™ 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), 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, PVC, or TPO. MajorSeal™ Liquid Flashing is designed for use with hot asphalt or heat-welded applications. Contact GAF Technical Services at 1-800-ROOF-411 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 waterproof 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 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; fewer pot life concerns
- VOC compliant... (less than 25 grams/liter at 240°F [116°C]), solvent free
- Non-slumping... on vertical surfaces
- Coatable... in 24 hours
- Versatile... can be installed in temperatures from 30°F (1.1°C) – 100°F (37.8°C)
- No shrinkage... due to high solids moisture cure

Approvals & Certification

Conforms to:

- OTC rule for sealants and caulks
- Meets requirements of California VOC regs: CARB and SCAQMD

Conforms to:



Typical Properties	
VOCs (max)	<25 grams per 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	60 wet mils total
Base Coat	30 wet mils
Second Coat	30 wet mils
Clean-Up	Wet material may be cleaned up with alcohol. Cured liquid flashing may be scraped or abraded from substrate.



MAJORSEAL™

LIQUID FLASHING (2 of 2)

Waterproof
Difficult
Flashing
Conditions

- ASTM D2369
- EPA method 24

Application

Application Considerations

Before using, always review complete application instructions and construction details at gaf.com. Do not use on TPO.

MajorSeal™ Liquid Flashing is easy to install. Compatible substrates include concrete, masonry (uncoated block and brick), most metals (see above), 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.

Using the notched trowel in the kit, apply a base layer of liquid flashing to a thickness of 30 wet mils/approximately 28 lineal feet (8.51 lm) per coating per pouch. Use a wet mil gauge to ensure proper amount of material is installed.

Install precut United Coatings™ 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.

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 sec-

ond 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. Additional application of United Coatings™ Roof Mate Coating 24 hours after granule application.

Coverage varies widely by substrate, generally 14–15 lineal feet (4.2–4.5 m) at an application rate of 60 wet mils, (using 12 inch [305 mm] fabric). Drying time also varies by condition. Do not apply if there is threat of rain in 6 hours. Do not install at temperatures below 30°F (1.1°C).

Storage / 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 Services at 1-800-766-3411 or visit gaf.com.

Packaging	
Kit 1 Contents	3 – .53-gallon (2 liter) pouches of MajorSeal™ Liquid Flashing
	2 – 10.1-oz (.30 liter) tubes of M-Bond™ Sealant
	1 pair – disposable gloves
Weight Per Kit 1	1 – notched trowel
	1 – 6" x 50" (1.8 x 15 m) roll United Coatings™ Roof Mate Fabric
	3 – nozzle extensions
Weight Per Kit 1	24 lb (10.89 kg)
Kit 2 Contents	4 – MajorSeal™ Liquid Flashing pouches
Weight Per Kit 2	.53 gallons (2 liters)
Available in a 4-pack box.	