

M-THANE™ One-Part Pourable Sealant

Updated: 8/16



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North America's Largest Roofing Manufacturer!™*



M-THANE™

ONE-PART POURABLE SEALANT (1 of 2)

Description

M-Thane™ One-Part Pourable Sealant is a moisture cure, self-leveling sealant. Use with the M-Curb™ Pitch Pan System and M-Bond™ Adhesive/Sealant on asphaltic built-up (BUR) and modified bitumen (SBS & APP) roof systems. Since moisture-cure sealants cure with moisture in the air, it is suitable for application in damp and cold climates, as well as dry climates. M-Thane™ One-Part Pourable Sealant is solvent-free, contains no isocyanates, and will not shrink upon curing. It does not “outgas” or bubble on damp surfaces as urethane sealants can do. M-Thane™ One-Part Pourable Sealant is elastomeric and has excellent adhesion to most construction materials. It has a low durometer, which accommodates greater movement in penetration seals than typical urethane sealants.

Advantages

- No mixing required
- Solvent free – less than 25 g/L VOC
- 100% solids – will not shrink and no outgassing on damp surfaces
- Application at temperatures as low as 30°F (-1°C)
- Self-leveling provides smooth, professional finished look
- 20-minute skin-over time; paintable within 24 hours

Approvals & Certifications

- Conforms to OTC Rule for Sealants and Caulks
- Meets California Regulations: CARB, BAAQMD, and SCAQMD
- Contributes to LEED® v2009 New Construction & Major Renovations IEQ Credit 4.1: Low-Emitting Materials-Adhesives and Sealants
- NAHB Model Green Home Building Guidelines: 5 Global Impact Points

Application

Surface should be clean, dry, and free of any loose materials. Remove all previously applied caulk, mastic, cement, asphalt, and other contaminants from penetrations with a wire brush. Brush away all gravel or loose granules. Seal the penetration with a bead of M-Bond™ Adhesive/Sealant. Then prime the penetration with M-Bond™ from the base to one inch above the pitch pan so the M-Bond™ is visible after the M-Thane™ Pourable Sealant is used to fill the pitch pan. **DO NOT USE AN ASPHALT PRIMER OR ROOF CEMENT.** Install the M-Curb™ Pitch Pan per pitch pan instructions using M-Bond™ Adhesive/Sealant to seal and hold the pitch pan in place. Fill the pitch pan with M-Thane™ One-Part Pourable Sealant to the top of the pitch pan. In colder temperatures it is recommended to keep the material stored inside or in the truck before using. Refer to the complete application instructions for M-Thane™ One-Part Pourable Sealant included with the product or at gaf.com.

Clean-up: Wet adhesive can be removed using a solvent such as alcohol. Cured M-Thane™ One-Part Pourable Sealant can be removed by abrading or scraping the substrate.

Cure Time: M-Thane™ One-Part Pourable Sealant is a moisture-cure sealant. Rate of cure is dependent on atmospheric conditions. Curing proceeds at a rate of 1/4" (6.35 mm) a week at 70°F (22°C) and 50% relative humidity. Lower temperature and humidity will slow the rate of cure. Higher temperature and humidity will accelerate rate of cure. Depths of more than 2" (51 mm) will fully cure through in two to three months.





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ONE-PART POURABLE SEALANT (2 of 2)

Application (Continued)

Applying Granules or Coating:

Granules may be broadcast on top of sealant immediately after installing sealant. Do not press-in or brush-in granules. After 24 hours, lightly brush or vacuum-up loose granules. Coating can be applied directly to the sealant or to imbedded granules after 24 hours of cure time. M-Thane™ One-Part Pourable Sealant may be coated with TOPCOAT® Membrane or TOPCOAT® MB Plus coating.

Packaging:

- 28-ounce (825 ml) cartridge
- 12 cartridges/carton
- 40 cartons/pallet

Color:

Black

Storage: Recommended storage is between 40°F (4°C) and 90°F (32.2°C). Protect unopened containers from water, heat, and direct sunlight. Elevated temperatures will reduce shelf life. Although M-Thane™ One-Part Pourable Sealant will not freeze, it is recommended to store indoors before use.

Shelf Life: One year from date of manufacture when stored in standard conditions. High temperature and high relative humidity may significantly reduce shelf life.

Waste Disposal: Empty containers must be disposed of in an approved landfill in accordance with local, state, and federal regulations

Precautions

- Do not install at temperatures below 30°F (-1°C).
- Do not install if rain is anticipated within 4 hours.
- Do not use in areas subject to continuous immersion.
- Do not use in areas where prolonged chemical exposure is anticipated.
- Do not prime bonding surfaces with asphalt primer.
- Do not use petroleum-based solvents, such as mineral spirits or xylene for cleaning purposes.
- Smooth APP membranes require a prior installation of a granulated target of APP modified bitumen around the penetration.
- Test and evaluate to ensure adequate adhesion.

Typical Properties

VOC	< 25 grams/Liter
Density	8.9 ± .2 lb per gallon (1.068 g/mL)
Shrinkage	0%
Tensile Strength	153 psi
Elongation	206 ± 34%
Viscosity	40,000 ± 20,000 cps

For Application Questions

Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.