

High-build Silicone Sealant



Description:

GAF Silicone Mastic is a thick, high-build silicone sealant.

Features and Benefits:

- Provides protection against leaks due to ponding water
- Versatile application is great for repair and maintenance
- 97% average solids by volume content allows for more sealant applied in a single pass

Substrate Preparation:

- Substrate should be dry, clean, and free from oil, grease, and other contaminants
- Pressure-wash to remove all dust and debris, and allow to dry
- Examine substrate to receive new mastic material and conduct test patches to verify adhesion of mastic prior to start of work
- Check for any damaged roof membranes, including all flashings and penetrations, and repair before mastic application commences
- Priming of substrate may be required¹

General Application Method:

- Read complete application instructions at gaf.com before using this product
 - May be applied by brush or trowel
 - Apply evenly at the rate of 1.25 gal. per square per coat. If 3-coursing, apply additional coats as soon as the previous coat is dry enough to walk on.
 - Total coverage is dependent on the substrate. Rough or porous substrates may require more mastic.
- Mix prior to use with a 3/4-horsepower or greater mixer with a blade capable of uniformly mixing the entire container
 - Use immediately to avoid trace amounts of moisture from causing a reaction in the container

Safety and Handling:

- For specific information on safe handling of this material, refer to the Safety Data Sheet (SDS)

Mixing:

- Some settling of material may have occurred during shipment and storage
- Containers that have been stored for any length of time may develop a skin/film on top of the coating; this should be removed prior to mixing
- Take care not to incorporate air into the product

Cleanup:

- Use VM&P naphtha or mineral spirits to thoroughly clean equipment. If mastic has hardened, clean with mineral spirits.

Precautions:

IMPORTANT: Repair leaks promptly to avoid adverse effects, including mold growth.

DO NOT:

- Apply on wet substrates
- Heat container
- Attempt to thin product
- Apply if rain, dew, fog, heavy moisture condensation, or freezing temperatures are in the 8-hour forecast

¹ Refer to the *UNITED COATINGS™ LIQUID-APPLIED ROOFING Application & Specifications Manual*, available at gaf.com, for acceptable substrates



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Physical Properties:

GAF Silicone Mastic

Property	Test Method	Approximate Values ²
Solids by Weight	ASTM D1644	98%
Solids by Volume	ASTM D2697	97%
Tensile Strength	ASTM D2370	200 psi
Elongation	ASTM D2370	500%
VOC	D3960	<50 g/L

² Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.

Product Details:

Packaging	3.5-gallon (13.2 liter) pail
Colors	White, Light Gray, Black
Shelf Life	12 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area at 40°F – 90°F (5°C – 32°C). Storage outside temperature range will shorten shelf life. Keep containers covered when not in use. Do not allow coating to freeze.
Dry Time to Walk On (Approx.)	5 Hours at 70°F (21°C) 50% R.H
Application Temperature (Air)	40°F (5°C) and rising
Application Temperature (Surface)	40°F – 110°F (5°C – 43°C)