

United Coatings™ Unisil Silicone Flashing Technical Data Sheet

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North America's Largest Roofing Manufacturer!™*

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Unisil Silicone Flashing

Technical Data Sheet



BASIC USES & ADVANTAGES

United Coatings™ Unisil Silicone Flashing was designed to seal irregular roof penetrations that cannot be covered with standard sprayers. **Unisil Silicone Flashing** can be applied over structural concrete, modified bitumen, single ply, metal, and smooth BUR without the use of primers.

Advantages:

- High solids
- Low odor
- Brush Grade

PRODUCT DESCRIPTION

United Coatings™ Unisil Silicone Flashing is a thick, high-build silicone sealant. **Unisil Silicone Flashing** features include low odor, an easy application, a fast moisture cure, and adheres to a variety of substrates.

PACKAGING & SHELF LIFE

2-gallon (7.6 liter) pail

Shelf life 18 months from date of manufacture in unopened containers, if stored properly in a clean and well-ventilated area at 50°F – 90°F (10°C – 32°C). Storage outside this temperature range may shorten shelf life. Keep containers covered when not in use. **DO NOT** allow material to freeze.

PHYSICAL PROPERTIES

UNITED COATINGS™ UNISIL SILICONE FLASHING	
Solids by Weight	93% ± 3%
Solids by Volume	95% ± 3%
Weight per Gallon	10.6 lb/gal
VOC	<50 g/L
Tensile Strength	130
Elongation	275

Cure Time	12 – 18 hours
Application Temperature (Air)	40°F (5°C) and rising
Application Temperature (Surface)	40°F – 110°F (5°C – 43°C)

APPLICATION INSTRUCTIONS

Substrate Preparation: Roof must have positive drainage with no moisture trapped in the roof assemblies. Roof substrate must be clean, completely dry, and free from any foreign matter. Check for any roof damage, including all flashings and penetrations, and repair before coating application commences. See gaf.com for more information.

Mixing: **United Coatings™ Unisil Silicone Flashing** is a ready-to-use material; however, 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 flashing; this should be removed prior to mixing. Take care not to incorporate air into the product. 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.

Application: **United Coatings™ Unisil Silicone Flashing** may be applied by brush or trowel. Apply evenly at a rate of 1.25 gallons/100 ft² (5.10 L/10 m²) per coat. A minimum of 2 coats should be applied and reinforced with fabric. Apply additional coats as soon as the previous coat is dry enough to walk on. This time should not exceed 24 hours to ensure proper adhesion. Total coverage is dependent on the substrate. Smooth substrates may require less coating, while rough or porous substrates may require more coating.

For Application Questions: Contact GAF Technical Services at 1-800-766-3411 or visit gaf.com.

LIMITATIONS & PRECAUTIONS

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

- Do **NOT** apply on wet substrates.
- Do **NOT** heat container.
- Do **NOT** attempt to thin product.

- Do **NOT** apply if rain, dew, fog, heavy moisture condensation, or freezing temperatures are in the 24-hour forecast.

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Unisil Silicone Flashing

Technical Data Sheet

Page 2 of 2

SAFETY & HANDLING

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet (SDS).

CLEANUP

Use mineral spirits to thoroughly clean equipment. If flashing has hardened, clean with mineral spirits.

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See applicable warranties and guarantees for complete coverage and restrictions.