

## Silicone over Metal



### 5-Step Roof Restoration:



1

#### Qualify the roof

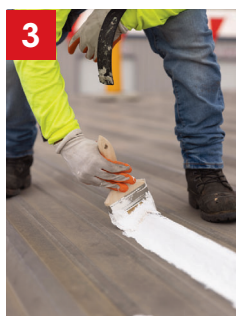
- Ensure the roof is clean, dry, and tight
- Conduct adhesion test to ensure proper coating adhesion



2

#### Prep the substrate

- Make any necessary repairs to the sheet metal and secure or replace all loose or missing fasteners
- Power-wash roof using **GAF Cleaning Concentrate**
- Install sheet metal crickets behind rooftop units, if needed



3

#### Treat seams and fasteners

- Treat horizontal seams, ridges, and rake edges with a roof brush and **GAF Silicone Mastic** applied at 60 mils or 1/16" wet thickness (approximately 24 sq. ft. per gallon)
  - Add stitch screws for gaps in excess of 1/8"
- Seal vertical seams with GAF Silicone Mastic; typical standing seam profiles do not require seam treatment<sup>1</sup>
  - Check with GAF Technical Services or the *GAF Liquid-Applied Roofing Manual — Seam Treatment Guide*
- Encapsulate all fasteners with GAF Silicone Mastic



4

#### Detail penetrations

- Treat all curbs, penetrations, and drains with **GAF Silicone Mastic**
  - Apply GAF Silicone Mastic at 60 mils or 1/16" wet thickness (Approximately 24 sq ft. per gallon)



5

#### Coat the roof

- Apply **GAF Unisil Silicone** and **GAF Unisil High Solids Silicone** per the specifications for a 10/15/20-year limited warranty or guarantee
  - GAF silicone can be brushed, rolled, or spray-applied
- GAF Unisil Silicone will require a minimum of two coats
- GAF Unisil High Solids Silicone can be applied in one or multiple coats
  - For one-coat systems ensure the roof is 2:12 slope or less
  - Apply at a maximum of 2 gallons per square
- Consistently check wet mil thickness for uniform coverage



Certain projects installed by GAF Master, Master Select™, or Premium Coating Systems Contractors may be eligible for enhanced limited warranty or guarantee coverage<sup>2</sup>

**NOTE:** Contractors enrolled in GAF certification programs are not employees or agents of GAF, and GAF does not control or otherwise supervise these independent businesses. Contractors may receive benefits, such as loyalty rewards points and discounts on marketing tools from GAF for participating in the program and offering GAF enhanced warranties or guarantees, which require the use of GAF products.

[gaf.com/coatings](http://gaf.com/coatings)

<sup>1</sup> R-panel vertical seams should be coated with a minimum 3" wide at 20 wet mils. Some standing seam profiles do not require flashing.

<sup>2</sup> See GAF Liquid-Applied Roofing Manual for specific requirements and restrictions. See applicable limited warranty or guarantee, available at [gaf.com](http://gaf.com), for complete coverage and restrictions.

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