

Silicone over TPO

5-Step Roof Restoration:



1

Qualify the roof

- Ensure the roof is clean, dry, and tight
- Perform moisture scan and identify all wet areas
- Conduct adhesion test to ensure proper adhesion of coating
- New TPO should weather a minimum of 30 days



2

Prep the substrate

- Replace any wet membrane and insulation with like material
- Power-wash the roof using **GAF Cleaning Concentrate**



3

Prime the roof

- To promote adhesion of the silicone top coat, apply **GAF TPO Red Primer** at a rate of 0.25 gallons per square
 - Apply top coat after primer is dry but within 24 – 48 hours to achieve proper chemical bonding



4

Detail seams, flashings, and penetrations

- Treat all seams, curbs, penetrations, and drains using **GAF Silicone Mastic**
 - Apply GAF Silicone Mastic at 60 mils or 1/16" wet thickness (approximately 24 sq. ft. per gallon)
 - Open seams must be three-coursed with **GAF Premium Fabric & Silicone Mastic**



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 guarantee¹
 - 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 coverage¹

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¹ See GAF Liquid-Applied Roofing Manual for specific requirements and restrictions. See applicable limited warranty or guarantee, available at gaf.com, for complete coverage and restrictions.

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