

Note: The following instructions are an overview of the **Silicone** Roof Coating Restoration installation process; they are not intended to replace the Recommended Design Specifications at PMSilicone.com.

1. Moisture Survey.
2. Adhesion Test with a minimum of 2lbs per square inch.
 - a. Note: Progressive Materials white silicone coating only. Nonwhite colors are not permitted.

Required:

Cleaning:

3. Substrate Condition:

Condition A (Stable): Coating is well-adhered with minor surface dirt or light biological growth.

Condition B (Degraded): Coating is flaking, "alligatoring," or shows significant silt buildup/heavy moss, aluminum coating

Ensure all roof drains are clear, and gutters are functional to prevent ponding during the process.
4. Cleaning Procedures:
 - A. Power Washing "Soft Wash":

Equipment: Pressure washer equipped with a wide-angle fan tip (minimum 40°) or rotating surface cleaner. Do not exceed 1,500 PSI.

Fan tip distance 12–18 inches from the surface. Surface cleaner should not exceed 1,500 PSI.

Always spray with the laps (downslope), never against the seams, to avoid forcing water under the membrane.

Use a biodegradable surfactant or a specialized roof cleaner if heavy oils are present.
 - B. Power Brooming (Mechanical Agitation)

Equipment: Walk-behind power broom with soft-to-medium nylon bristles. Steel bristles are prohibited. Ex: ARIENS Power Brush. Model# 926088

Used primarily for "Condition B" areas where silt or heavy sediment has dried and bonded to the surface.

Technique: Operate at low RPMs to prevent "burning" the membrane through friction heat. Sweep debris toward a central collection point or toward the perimeter (if using a debris containment system).

Follow-up: Always follow power brooming with a blower or low-pressure rinse to remove the loosened fines.
5. Primers are typically unnecessary over Modified Bitumen and Smooth Surface BUR. However, in situations where asphalt bleed through is a concern, install Pro-Prime P-160 Bleed Block Primer at a rate of 1 gallon per 100 sq. ft.

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Surface Prep:

- 6. Roof areas greater than 500 square feet containing moisture below the roof surface need to be replaced. (New modified or cap sheet repairs must weather a minimum of 90 days to before being coated.)
- 7. Isolated roof areas less than 500 square feet containing moisture below the roof surface need to have a moisture relief vent installed. (minimal wet areas)
- 8. Any flashings that do not provide a watertight condition receive a 3-course coating-fabric-coating detail.
- 9. All membrane seam failures receive a 3-course coating-fabric-coating detail.
- 10. All membrane seams receive 25 mils of silicone roof coating prior to coating the field of the roof.
- 11. Repair or replace any sheet metal that does not provide a watertight condition.

Coating Installation:

- 12. Ensure the surface is completely dry.
- 13. Install silicone at a rate of:

5-Year Warranty	10-Year Warranty	15-Year Warranty	20-Year Warranty
25 mils minimum. (2 gal. per sq.)	30 mils minimum. (2.3 gal. per sq.)	35 mils minimum. (2.7 gal. per sq.)	40 mils minimum. (3.1 gal. per sq.)