

Silicone over EPDM Roof Coating Restoration

NOTE: This document provides a general overview of Inland's basic requirements for a silicone roof coating restoration over mechanically-attached and fully-adhered EPDM membranes. For complete specifications and Technical Data Sheets, please review all product information at www.inlandcoatings.com before application.

REQUIREMENTS

- Roof must be structurally sound.
- Roof must be dry.
- Roof must be clean.
- Conduct a core sample to accurately identify the roof assembly and deck type.
- Discuss leak history with building owner and diagnose any active leaks.
- Perform a moisture survey.
- Perform successful adhesion tests.

REPAIRS

- Remove and replace any wet areas identified in the moisture survey.
- Repair membrane and flashings as necessary using like-materials.
- Install tapered insulation or IN-Slope Ponding Water Eliminator to divert ponding water.
- Loose edges on watertight seams and flashings may be repaired using a three-course method.

CLEANING

- Repairs must be completed before cleaning the membrane to prevent water from entering the roofing system during the cleaning process.
- EPDM Cleaner must be used with a high-pressure water blast (minimum 3,000 PSI) to remove all contaminants, dirt, oils, and other materials that may interfere with adhesion.
- A final rinse with clean water is recommended to ensure the surface is thoroughly cleaned and no residue remains.

FIELD SEAMS

- The roof must be completely dry before addressing field seams, penetrations and flashings.
- Field seams must be addressed with one of the following options:
 - 1) 4-inch-wide band of mastic centered over the seam at a minimum thickness of 1/16-inch (63 wet mils).
 - 2) Three-course method centered over the seam, consisting of either:
 - a) Coating | 4" Fabric | Coating
 - b) Mastic | 4" Fabric | Mastic
 - 3) 4-inch wide band of coating centered over the seam at a minimum thickness of 32 wet mils (FOR FULLY ADHERED SYSTEMS ONLY).

PENETRATIONS & FLASHINGS

- All flashing edges must be addressed with one of the following options:
 - 1) 4-inch-wide band of mastic centered over the seam at a minimum thickness of 1/16-inch (63 wet mils).
 - 2) Three-course method centered over the seam, consisting of either:
 - a) Coating | 4" Fabric | Coating
 - b) Mastic | 4" Fabric | Mastic
- All exposed flashings must be fully coated.
- Vertical flashings must be coated in multiple thin coats to prevent sagging.

COATING APPLICATION

- Priming and detailing must be completed and fully cured before coating the roof surface.
- Extra care should be taken to ensure proper coverage.
- Use a wet film gauge consistently throughout the application process to verify the correct coverage thickness is achieved.
- Single-pass applications are acceptable where appropriate.

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	10-YEAR	15-YEAR	20-YEAR
BASE/TOP COAT Gallons Per Square Wet Film Thickness	AldoSil 397F 1.5 Gal 24 WFT	AldoSil 397F 2 Gal 32 WFT	AldoSil 397F 2.5 Gal 40 WFT
TOTAL MIN REQUIREMENTS Gallons Per Square Wet Film Thickness	1.5 Gal 23 DFT	2 Gal 31 DFT	2.5 Gal 38 DFT