

Silicone/Polyurethane over Metal *Roof Coating Restoration*

NOTE: This document provides a general overview of Inland's basic requirements for a hybrid silicone/polyurethane roof coating restoration over metal surfaces. 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.
- Properly identify type of existing metal panel roof system and any existing coatings.
- Discuss leak history with building owner and diagnose any active leaks.
- Perform successful adhesion tests.

REPAIRS

- Replace damaged or non-structurally sound panels.
- Repair or replace any sheet metal that does not provide a watertight condition.
- Tighten or replace loose or worn-out fasteners. All fasteners should include an intact neoprene washer.
- Add stitch fasteners to close any gaps larger than 1/8".
- Remove all loose coating and incompatible repair material. All previous asphalt repairs must be removed.
- Install crickets behind curbs using In-Slope Ponding Water Eliminator to divert water.

RUST TREATMENT & CLEANING

- Wire brush any loose or scaling rust down to stable metal.
- RRC-600, a rust remover and conditioner available from Inland, may be used to treat remaining rust and help prevent further corrosion.
- Power-wash the substrate to remove all contaminants, dirt, oils, and other materials that may interfere with adhesion.
- CleanB4coat, a concentrated cleaner available from Inland, is designed for enhanced cleaning and degreasing.

PRIMING

- Unconverted rust should be treated with AldoPrime 710, applied at a rate of 0.5 to 0.75 gallons per 100 square feet.

FASTENERS

- Every fastener must be totally encapsulated with a dollop of mastic.

HORIZONTAL SEAMS

- All horizontal seams must be sealed using one of the following methods:
 - 1) Three-course method centered over the seam, consisting of either:
 - a) Coating | 4" Fabric | Coating
 - b) Mastic | 4" Fabric | Mastic
 - 2) 4-inch-wide band of mastic centered over the seam at a minimum thickness of 1/16-inch (63 wet mils).

VERTICAL SEAMS

- Vertical seam sealing is not necessary if the seam is mechanically locked. For all other vertical seams, use the following method:
 - 2-inch-wide band of mastic centered over the seam at a minimum thickness of 1/16" (63 wet mils).

PENETRATIONS & FLASHINGS

- All flashing edges must be sealed using one of the following methods:
 - 1) Three-course method centered over the seam, consisting of either:
 - a) Coating | 4" Fabric | Coating
 - b) Mastic | 4" Fabric | Mastic
 - 2) 4-inch-wide band of mastic centered over the seam at a minimum thickness of 1/16-inch (63 wet mils).

COATING APPLICATION

- Extra care should be taken to ensure proper coverage of vertical rib surfaces.
- Use a wet film gauge consistently throughout the application process to verify the correct coverage thickness is achieved.

Silicone/Polyurethane over Metal *Roof Coating Restoration*

COVERAGE RATES

	10-YEAR	15-YEAR	20-YEAR
PRIMER (Required for Rusted Areas) Gallons Per Square	AldoPrime 710 0.5 - 0.75 Gal	AldoPrime 710 0.5 - 0.75 Gal	AldoPrime 710 0.5 - 0.75 Gal
BASE COAT Gallons Per Square Wet Film Thickness	AldoThane 384 1.25 Gal 20 WFT	AldoThane 384 1.25 Gal 20 WFT	AldoThane 384 1.25 Gal 20 WFT
TOP COAT Gallons Per Square Wet Film Thickness	AldoSil 397F 1 Gal 16 WFT	AldoSil 397F 1.5 Gal 24 WFT	AldoSil 397F 2 Gal 32 WFT
TOTAL MIN REQUIREMENTS Gallons Per Square Wet Film Thickness	2.25 Gal 31 DFT	2.75 Gal 39 DFT	3.25 Gal 47 DFT