

## **Silicone/Polyurethane over Concrete** *Roof Coating Restoration*

**NOTE:** This document provides a general overview of Inland's basic requirements for a hybrid silicone/polyurethane roof coating restoration over concrete substrates. For complete specifications and Technical Data Sheets, please review all product information at [www.inlandcoatings.com](http://www.inlandcoatings.com) before application.

### **REQUIREMENTS**

- Substrate must be structurally sound.
- Substrate must be properly cured.
- Substrate must be dry.
- Substrate must be clean.
- Discuss leak history with building owner and diagnose any active leaks.
- Perform a moisture survey.
- Perform successful adhesion tests.

### **PREPARATION**

- Remove all previous patching materials.
- Repair all cracks, control joints, expansion joints, and other concrete deficiencies as necessary using methods approved by the International Concrete Repair Institute (ICRI).
- Achieve the required concrete surface profile to promote proper adhesion. Use mechanical grinding, scarifying, or other appropriate methods as needed.

### **CLEANING**

- Pressure washing may not be required, but all contaminants such as dirt, oils, and other materials that could interfere with adhesion must be removed.
- If using a high-pressure water blast (minimum 3,000 PSI), care should be taken to avoid injecting water into the concrete.
- The surface must be clean and dry before proceeding with the coating. Additional drying time may be necessary.

### **CRACKS, JOINTS, & PRIOR REPAIRS**

- All control joints, expansion joints, cracks, and any other surface defects, whether intact or previously repaired, must be detailed using a three-course method

### **FLASHINGS & PENETRATIONS**

- Each flashing transition and penetration needs to be flashed in using a three-course method.
- Penetrations that cannot be sealed using standard flashing methods shall be detailed using the Universal Curb Kit.

### **COATING APPLICATION**

- Use a wet film gauge consistently throughout the application process to verify the correct coverage thickness is achieved.
- Rougher surface textures will require additional coating to achieve prior coverage.

**Silicone/Polyurethane over Concrete** *Roof Coating Restoration***COVERAGE RATES**

	10-YEAR	15-YEAR	20-YEAR
<b>BASE COAT</b> Gallons Per Square Wet Film Thickness	AldoThane 384 1.5 Gal 24 WFT	AldoThane 384 1.5 Gal 24 WFT	AldoThane 384 1.5 Gal 24 WFT
<b>TOP COAT</b> 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
<b>TOTAL MIN REQUIREMENTS</b> Gallons Per Square Wet Film Thickness	2.5 Gal 34 DFT	3 Gal 42 DFT	3.5 Gal 50 DFT