

# Enduris™ Field Installation Guide - Silicone Recoat

## Materials:

Enduris 3500 or 3525 high solids silicone roof coating  
Enduris Liquid Flashing  
Enduris RF100 Reinforcing Fabric  
SWS or SilPruf™ SCS2000 Sealant  
UltraSpan™ US1100 Silicone Weatherstrip  
Biodegradable cleaner

## Product Handling and Storage

All materials shall be delivered to the jobsite with their original labels intact. All materials shall be stored as per manufacturer's instructions prior to their application. No damaged or out-of-date materials are to be used. Application areas shall be completed by end of workday. All incomplete areas must be protected by the elements until the following workday proceeds.

## Surface and Project Preparations

The applicator has responsibility to evaluate the roof and determine it is an acceptable candidate for recoating. Enduris Roof Coating should be applied in accordance with this installation guide. If multiple applications are performed, allow product to cure in between coats. Products may be brushed, rolled, squeegee or sprayed. An adhesion or "pull" test is recommended. For spray equipment recommendations please contact Momentive Performance Materials (MPM) Technical Department.

## Surface prep and cleaning:

- While Enduris Silicone Roof Coating has excellent adhesion properties and is known to adhere very well to properly prepared, existing, coated roofs, Momentive strongly advises that adhesion testing be performed in accordance with published instructions.
- Prior to pressure washing, walk the roof looking for defects such as holes, cracks, and other openings. Spot clean and seal all defects and openings that could allow water to enter the roof assembly while pressure washing. Allow repairs to cure.
- Make sure all drains and scuppers are free of debris and flowing properly.
- Pressure wash existing surface starting at approximately 1000 psi (69 bar). Increase pressure if necessary but do not apply pressure that may cause damage or water intrusion.
- The use of a biodegradable cleaner may be necessary over heavily soiled, oily, or greasy areas. If so, use the cleaner according to the manufacturer's instructions. Ensure all cleaner residue, bubbles, and foam are fully rinsed from the roof surface.

### **Flashing details and repairs:**

- Using Enduris Liquid Flashing, SWS or SilPruf SCS2000 sealant, RF100 Reinforcing Fabric and/or UltraSpan Weatherstrip, repair and address all possible leak points.
- Curbs, penetrations, and other areas of concern may need to be addressed with a 3-course application of Enduris Liquid Flashing, RF100 Reinforcing Fabric and a topcoat of Liquid Flashing applied at a total 40 wet mils (1015 microns).
- Cut out any existing coating blisters.
- If voids are present in the existing coating, ensure all loose coating is removed. Verify no openings are present in the underlying roof. Apply bleed blocker, if necessary, and allow it to cure. Seal the openings using Enduris Liquid flashing.

### **Application:**

- Apply Enduris Roof Coating at a rate of 1.5 gallons per 100 sq ft. (5.7 liters per 9.3 sq meters), for a total 24 wet mils (610 microns), to yield 21 dry mils (533 microns). Spraying may require back-rolling.
- When applying or back-rolling, use 1 ¼" - 1 ½" (30-40 mm) roller covers. Roller covers should be solvent compatible.
- Coverage rates can be affected by surface profile, applicator, application equipment, weather, etc. Higher application rates may be needed to achieve the minimum dry mils. Do not thin or mix product.

### **Clean Up:**

- Application tools should be cleaned with VM&P Naphtha, virgin mineral spirits or similar solvent. Clean spray equipment in accordance with manufacturer's directions.

### **Warranty**

This application, at the application rate above, may be eligible to receive a 10-year Product Warranty. Contact [roofwarranties@momentive.com](mailto:roofwarranties@momentive.com). Requirements for other warranty terms are:

#### **15-year Material Warranties:**

2 gallons per 100 sq ft. @ 32 wet mils, 28 dry mils

7.5 liters per 9.3 sq meters @ 810 microns, 711 dry microns

#### **20-year Material Warranties:**

2.5 gallons per 100 sq ft. @ 40 wet mils, 36 dry mils

9.5 liters per 9.3 sq meters @ 1000 microns, 914 dry microns

Product Plus, and Labor and Material Warranties are available for work performed by a MPM Authorized Applicator, some at an extra cost. Warranties may require an independent inspection to verify dry mils and project quality. Application rates for the 25-year Product Plus Warranty are 2.8 gallons per 100 sq ft. @ 45 wet mils, 40 dry mils (10.6 liters per 9.3 sq meters @ 1143 microns, 1016 dry microns). Please contact MPM for more information.

The installing contractor must be approved by MPM and in good standing to offer any warranties.

**Note:** Enduris Roof Coating is unaffected by standing water. The NRCA (National Roofing Contractors Association) considers standing or ponding water undesirable and recommends all roof assemblies have positive water drainage.

**Disclaimer:** The advice provided herein is intended for general guidance purposes only and should not be relied upon as an authoritative source in determining actions that may be required under a specific set of circumstances, as several factors not discussed herein may be critical in determining an ultimate course of action.

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