

Enduris™ Field Installation Guide

BUR and Mod Bit Roofing Assemblies

Materials:

Enduris 3500 or 3525 high solids silicone roof coating

Enduris Liquid Flashing

Enduris RF100 Reinforcing Fabric

SWS Sealant

Enduris Asphalt Bleed Blocker

UltraSpan™ Silicone Weatherstrip

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 No damaged or out-of-date materials are to be used.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

These guidelines assume that the roof has been evaluated by the contractor to be an acceptable candidate for coating. Aluminized coatings are not an acceptable surface for silicone coatings and must be removed as described below.

Enduris roof coating should be applied in accordance with this installation guide. Allow product to cure in between coats. Products may be applied by brush, roller, squeegee or sprayer. An adhesion or "pull" test is recommended. For spray equipment recommendations please contact Momentive Performance Materials (MPM) Technical Department.

Bleed Blocker

- Enduris Asphalt Bleed Blocker is not required for adhesion. Application may help with asphaltic bleed through as well as increasing the performance and spread rate of the Enduris Roof Coating.
- When applying Enduris Asphalt Bleed Blocker with a roller, a ½" - ¾" (12-19 mm) roller cover is recommended. Apply at a rate of 1 gallon per 100 sq ft (3.8 liters per 9.3 sq. meters). A second application may be required to block bleed through from new asphalt. Clean up with soap and water.

Surface prep

- Seal holes or cracks that would allow water from cleaning to enter the roof assembly
- Make sure all drains and scuppers are free of debris and flowing properly.
- Pressure wash existing surface at 2000-3000 psi (140-210 bar). Do not apply pressure that may cause damage or water intrusion.
- Aluminized coating, remove the coating from at least 90% of the roof area using a rotary head, with no remaining area larger than 2 square inches (5 square cm).

Flashing details and repairs

- Apply Enduris Asphalt Bleed Blocker prior to repairs using silicone products, if using for project.
- Using Enduris Liquid Flashing, SWS sealant, RF100 Reinforcing Fabric and/or UltraSpan Weatherstrip, repair and address all possible leak points.
- Seams, curbs, penetrations, blistering, 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 Enduris Liquid Flashing applied at a total 40 wet mils (1015 microns).
- Precoat all seams with a 40 wet mils (1015 microns) of Enduris Liquid Flashing, 4 inches (10.2 centimeters) wide.

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 minimum of 24 wet mils (610 microns), to yield 21 dry mils (533 microns). Spraying may require back-rolling.
- 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 coating.
- When applying or back-rolling, use 1 ¼" - 1 ½" (30-40 mm) roller covers. Roller covers should be solvent compatible.

Clean Up:

- Application tools should be cleaned with virgin 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. 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 wet 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.

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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REV: 08/25



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