



# Enduris™ Field Installation Guide

## Spray Polyurethane Foam- New Application

### Materials:

Spray Polyurethane Foam: closed cell roofing foam with minimum density of 2.5 pounds per square foot  
GE Enduris 3500 or 3525 high solids silicone roof coating  
GE Enduris Liquid Flashing  
GE RF100 Reinforcing Fabric  
GE SWS Sealant

### 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 No damaged or out-of-date materials are to be used.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 from the elements until the following workday proceeds.

### Surface Preparation and application of spray polyurethane foam:

This installation guide is for application of Enduris Roof Coating over newly sprayed polyurethane foam (SPF). The user must follow instructions from the manufacturer of the SPF for surface preparation and SPF installation.

The surface of the installed SPF should have a "smooth" or "orange peel" texture, with no area rougher than "verge of popcorn" as defined by the Spray Polyurethane Foam Association. Foam must be coated within 8 hours of application.

Enduris Roof Coating may be installed in one pass, however application in two coats applied in perpendicular directions is recommended. Allow product to cure in between coats. Products may be brushed, rolled, or sprayed. The surface must be dry. An adhesion or "pull" test is recommended. For spray equipment recommendations please contact Momentive Performance Materials (MPM) Technical Department.

### Application of coating:

- Application of Enduris Roof Coating over new SPF must have a minimum of 15 dry mils of black, grey or tan coating. If the entire thickness of coating is the same non-white color then it can be applied in one pass at a minimum 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). If the top coat is white then a base coat of black, grey or tan is to be applied at a rate of 1.1 gallons per 100 sq. ft. (4.2 liters per 9.3 sq. meters) and allowed to cure overnight. Top coat is to be installed at a minimum rate of 0.7 gallons per 100 sq. ft. (2.7 liters per 9.3 sq. meters). 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. Application in two passes, with the first applied after the first pass has cured and at a perpendicular direction will help achieve the minimum dry film thickness over all areas. 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:

**One color** (black, grey or tan)

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)

#### Two colors

Basecoat of black, grey or tan: 1.1 gallons per 100 sq ft @ 17 wet mils, 15 dry mils. Topcoat of white, grey or tan: 1.3 gallons per 100 sq ft @ 15 wet mils, 13 dry mils (4.9 liters per 9.3 sq meters @ 381 wet microns, 330 dry microns)

#### 20-year Material Warranties:

**One color** (black, grey or tan)

2.5 gallons per 100 sq ft. @ 40 wet mils, 36 dry mils  
9.5 liters per 9.3 sq meters @ 1000 wet microns, 914 dry microns

#### Two colors

Basecoat of black, grey or tan: 1.1 gallons per 100 sq ft @ 17 wet mils, 15 dry mils. Topcoat of white, grey or tan: 1.5 gallons per 100 sq ft @ 24 wet mils, 21 dry mils (5.7 liters per 9.3 sq meters @ 610 wet microns, 533 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. Total 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 wet microns, 1016 dry microns). Please contact MPM for more information. Warranties are for the coating only.

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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