



## The SureCoat Roof System

### EZ Spec - Installation Guide for Restoration of Existing Tar and Gravel Roof Systems

#### PREPARATION:

1. Loose gravel must be removed with a push broom or power broom. All remaining gravel should be spud by using a scraper or walk-behind grinder with a PCD cup wheel. All sharp edges must be removed or ground down, leaving a smooth surface. Contact **SureCoat Systems®** for information on grinding.
2. Roof surface and substrate must be structurally sound. Unsound substrates or surfaces must be repaired or replaced prior to the application of the **SureCoat Roof System** (**SureCoat™** roof coating and Poly-Mesh). In most cases, the **SureCoat Roof System** can be used to do the repairs.
3. Insulation that is retaining moisture, is saturated, or holding water must be replaced. This installation guide specification assumes that a plywood deck has no dry rot or a metal deck is not rusted and is in sound condition or has been repaired.
4. Clean the roof using **SureSkrub™**. Scrape any loose dried mastic off and remove any soft mastic by scraping and scrubbing with **SureSkrub** and a stiff broom. Roof must be clear of loose aggregate, dirt, oil, soap or any substance or circumstance that may impair adhesion. Rinse the roof thoroughly and allow it to dry completely before beginning the installation or repairs.
5. Apply a 3-ply layer of **SureCoat** and Poly-Mesh at all penetrations in the roof, HVAC and skylight curbs, roof jacks, vents, and pipes, etc. Extend the Poly-Mesh and **SureCoat** a minimum of 4" up vertically and 18" - 24" out horizontally into the roof field. A layer of Poly-Mesh should be embedded in all ponds and repair areas. Repairs should be done prior to installation of the basecoat of the **SureCoat Roof System**. Many repairs can be done using **SureCoat** and Poly-Mesh. Extend repairs beyond damaged area by 1 - 2 feet.

#### INSTALLATION:

1. If embedded gravel is remaining, sharp edges are to be removed, scraped or ground down. After cleaning, any raised or rough areas will need to be flood-coated to fill voids and provide an even surface for application of the **SureCoat Roof System**. (Flood coat material must be a **SureCoat** product or compatible product approved by **SureCoat Systems**).
2. First apply a basecoat of **SureCoat** by spraying or rolling at a rate of 2.5 - 3 gallons per 100 square feet. Immediately or simultaneously, roll a layer of 42" wide Poly-Mesh into the basecoat overlapping the Poly-Mesh 2" - 3". Poly-Mesh should be saturated into the wet coating by using a 3/8" to 1/2" nap roller. Saturation of the **SureCoat** through the Poly-Mesh is necessary to ensure that the basecoat and the topcoat bond together through the Poly-Mesh to form one finished monolithic membrane. Fully encapsulate the Poly-Mesh by applying **SureCoat** at a rate of .5 - 1 gallon per 100 square feet for a total of 3.5 gallons. Allow to thoroughly dry, 24 - 72 hours depending on weather. Do not apply coating within 48 - 72 hours of freezing or precipitation.
3. After the basecoat is dry (the following day in ideal conditions), apply a topcoat of **SureCoat** in a cross-hatch technique at a rate of 1 gallon per 100 square feet. Allow to thoroughly dry, 24 - 72 hours depending on weather. Do not apply coating within 48 - 72 hours of freezing or precipitation.
4. After the **SureCoat Roof System** is cured, walk the roof to ensure that the entire roof is pinhole free and that no Poly-Mesh is exposed, tented or missing. Voids in the system must be addressed so that the system is a single monolithic membrane over the entire roof. All parapet walls and penetrations must be properly flashed into the field with **SureCoat** and Poly-Mesh. Any voids in details, penetrations, equipment curbs, skylights, etc. are to be addressed and repaired according to the recommendations of SureCoat Systems.
5. The roof system shall have adequate quantities of the **SureCoat Roof System** to form a finished dry mil thickness of 65 -75 DFT at penetrations and 55 - 65 DFT in the roof field. The Poly-Mesh produces approximately 9 - 11 mils DFT in the system. If a flood coat is applied, it will add additional mils to application.

This is an EZ version of the **SureCoat Roof System** installation requirements over an existing Tar and Gravel roof system. Reading and becoming acquainted with the requirements outlined in the long form specification is imperative and the responsibility of the contractor before bidding a project.

If the **SureCoat Roof System** has been specified by a professional waterproofing or roofing consultant, first read their specification completely as it may contain additional requirements beyond the **SureCoat Systems** specification. This short form EZ Spec - Installation Guide is not in substitution of the long form specification.

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