



Instructions - High Solids Silicone Roof Coating over Modified Bitumen or Built-Up roof surfaces

1 Examination

- A. Identify all seam failures, flashings failures and inadequate sheet metal details.
- B. Inspect all roof drains to ensure proper performance.

2 Preparation

A. Roof Surface Cleaning:

- 1. Thoroughly power wash roof surface and all other areas to receive new coating with a minimum of 2,000 psi water pressure. Be sure not to damage existing membrane during this process.
- 2. Any areas of grease contamination are to be cleaned with an industrial strength detergent.

NOTE: Adhesion tests should be performed prior to coating installation to ensure proper adhesion.

B. Flashings Details:

- 1. Ensure all existing flashings provide a watertight condition. If necessary, re-flash any areas required with FG400 Flashing Sealant.

C. Membrane Laps:

- 1. Ensure all lap seams provide a watertight condition. If necessary, apply high solids silicone roof coating to lap seams, lay polyester fabric in wet coating, and then apply second coating of high solids silicone roof coating to seam.

D. Sheet Metal: Ensure all sheet metal is in good condition and will provide a watertight condition. If necessary, replace or repair any sheet metal required.

E. Primer: Prime all surfaces as required to ensure proper adhesion with manufacturer's recommended primer.

3 Membrane Lap Seam Treatment

A. Ensure all lap seams provide a watertight condition. Any fish mouths or loose seams should be cut out and re-applied.

- 1. Prior to installing the silicone coating on the field of the roof, install 20 mils (3" wide min.) of High Solids Silicone Roof Coating over all lap seams (coverage rate to be approximately 200 lineal feet per gallon). The total minimum finished coating thickness on all membrane lap seams shall be 45 mils.

4 Silicone Coating Membrane Installation

A. Ensure surface is completely dry.

B. Ensure subsequent coats of primer or silicone coating is completely cured.



C. Install silicone coating membrane in one or two passes over the entire roof surface at a minimum rate of 25 mils. Application rate should be 2.5 gallons per 100 square feet.

D. NOTE:

1. Over some asphalt based or EPDM based products, a slight bleed-through or “yellowing” may occur through the silicone coating. This is only a cosmetic issue and will not affect the performance of the system

5 Protection of Finished Work

A. Ensure roof surface is free of traffic for minimum of 24 hours after silicone coating application or until coating is completely cured.