Silicone Roof Coating Restoration (RCR) System over Structural Concrete Roof Deck

Installation Overview

Note: The following instructions are an overview of the Silicone Roof Coating Restoration installation process; they are not intended to replace the Recommended Design Specifications at PMsilicone.com.

Examination:

1. For applications over newly poured concrete, the roof must be fully cured for a minimum of 60 days prior to coating application.
2. Adhesion test with a minimum of 2lbs per square inch.

Cleaning:

3. Powerwash entire roof surface and all other areas to receive new coating.

Surface Preparation:

Note: For roofs less than a year old, P-140 2-Part epoxy primer must be applied at a rate of 150-200 sq. ft./gal.

4. Repair or replace any sheet metal that does not provide a watertight condition.
5. Seal all roof parapet seams with either FG 400 Flashing Grade Silicone Sealant or by applying a coating-fabric-coating system to the seam.
6. For stress cracks smaller than ¼", apply a heavy coat of FG 400 Flashing Grade Silicone Sealant in the crack.
7. For stress cracks larger than ¼", insert backer rod into the crack, then apply a heavy coat of FG 400 Flashing Grade Silicone Sealant.

Coating Installation:

8. Ensure the surface is completely dry.
9. Install silicone at a rate of:
    a. 25 mils minimum for a 5 year warranty
    b. 30 mils minimum for a 10 year warranty
    c. 35 mils minimum for a 15 year warranty
    d. 40 mils minimum for a 20 year warranty