

Acrylic Roof Coating Restoration (ARCR) System over Structural Concrete Roof Deck

Installation Overview

Note: The following instructions are an overview of the Acrylic 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.

Cleaning:

3. Power wash the 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. Ensure substrate has proper drainage.
5. Repair or replace any sheet metal that does not provide a watertight condition.
6. Seal all roof parapet seams with either AM-400 mastic or by applying a 3-course (coating-fabric-coating) system to the seam, 25 mils, embed fabric let cure then apply 25 mils of topcoat.
7. For stress cracks smaller than ¼", apply a heavy coat of AM-400 mastic in the crack.
8. For stress cracks larger than ¼", insert backer rod into the crack, then apply a heavy coat of AM-400 mastic.

Coating Installation:

9. Ensure the surface is completely dry.
10. Coating passes should be perpendicular to each other. (cross hatched)
11. Install AM-1200 series coating in two passes at a rate of 1.5 gal. per pass for a total of 3 gal.

First pass should be completely cured before applying the second pass.

- a. 25 dft mils minimum for a 10-year warranty