



## **Instructions - High Solids Silicone Roof Coating over PVC, TPO or Hypalon 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.
- C. Inspect all roof system fasteners for back out.

### **2 Preparation**

- A. Membrane 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.
- B. Flashings Details: Ensure all existing flashings provide a watertight condition. If necessary, re-flash any trouble areas with flashing sealant.
- C. Membrane Seams: Repair all seam failures with high solids roof coating and polyester fabric reinforcer. Apply coating to seam, lay fabric in coating, then apply second layer of coating over fabric.
- 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 RP 1.5 Single-Ply Primer.

### **3 Silicone Coating Installation**

- A. Ensure surface is completely dry.
- B. Ensure subsequent coats of primer or silicone coating is completely cured.
- C. Install silicone coating, in one pass over entire roof surface at a rate of 25 mils minimum. Application rate should be 2.0 gallons per 100 square feet, depending on application technique, surface texture and wind speeds.

### **4 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.