



Basic Guidelines for Standing Seam and Corrugated Metal Roofs

- 100% WEATHER RESILIENT WATERPROOF MEMBRANE
- PROVIDES CORROSION PROTECTION
- COST EFFECTIVE

Refurbishing metal roofs with MetalSafe Coatings is a cost effective system which will dramatically reduce cooling costs and extend roof life. Even rusted roofs become sustainable and the cost of roof replacement is deferred indefinitely. This brief outline is a typical metal roof restoration process. For more information, please read Liquid Rubber's MetalSafe Specification Detail Guideline Rev. 10/11.

HOW TO COAT METAL ROOFS

- 1) Clean the Roof** - Metal roofs must be first pressured washed. A rotary (turbo) nozzle removes flaky paint, coarse rust, dirt and grime effectively. Bio-degradable degreasers may be needed to remove stubborn residues and will need to be rinsed thoroughly.
- 2) Seal Roof Leaks** - Tighten or replace loose fasteners. Apply a coat of MetalSafe S-300 sealant over the screw heads. Seal seams, flashings and penetrations with gap widths of 1/16" (1.5mm) or greater using one or a combination of the following methods; **Method 1):** Apply a liberal coat of MetalSafe S-300 sealant and embed a pre-cut sized strip of MetalSafe Geo-Textile roof fabric into the wet sealant, allow to tack up and coat again with MetalSafe S-300. **Method 2):** Apply a pre-cut sized strip of MetalSafe Adhesive Sealing tape and coat over with MetalSafe S-300. **Method 3):** Using the MetalSafe Bulk Caulking Gun, apply MetalSafe S-100 Caulk Sealant to seams and penetrations.
- 3) Coat the Roof** - When repairs and sealing are completed and dried, apply 1 coat of "Instant Set" MetalSafe B-300 spray product or 2 coats of MetalSafe S-300 roll-on product to the entire roof surface to form a seamless protective membrane at approx. 60 mil./ 1.5 mm DFT (dry film thickness). After MetalSafe B-300 or MetalSafe S-300 has dried for 24-48 hrs, an option is to apply 2 coats of energy saving reflective MetalSafe A-300 to the entire roof surface at approx. 40 mil./ 1mm. DFT. Allow 24 hrs drying time between coats. **Note 1):** When using option MetalSafe A-300 reflective top coat, adjust MetalSafe B-300 or S-300 to 30 mil. (1/2 thickness). **Note 2):** Before applying MetalSafe A-300 reflective top coat, first pressure wash the surface of "Instant Set" residues and allow to dry. A washing is not required when using MetalSafe S-300 roll on product.
- 4) Final Inspection** After the final coating has dried sufficiently enough to walk on and not cause damage, inspect the area for uniformity of membrane thickness and coverage.