



CorrosionCOPS

When it's Rust Call US!

Corrugated Metal Roof Corrosion Control

Refurbish Existing Metal Roof – Prior to any application to metal roofing, ensure that the corrugated material has integrity. Ensure that any flaking or poorly adhered coatings that may have been used prior, are removed from surface. Wire brush surfaces if there are many areas where coating failure has occurred or coating lift, bubbling or peel off is present. All areas must be free of loose coatings to insure best results. Rinse surfaces first with [Salt Away](#) followed by surface cleaning with Cortec [VpCI-416](#) Cleaner Degreaser with a push floor broom. Insure all mold, dirt and other debris are removed from surfaces. Agitate diluted cleaning bath on the surface of the corrugated roof with the push broom. Rinse with potable water. Allow surfaces to dry.

Apply Cortec [Corrverter](#) by spray, roller or brush to edges first. Allow time to dry to touch. Then apply to overall roof surface. Repeat the procedure at least once for good results, better results come from at least 3 applications of Corrverter. If any galvanized surfaces remain, Corrverter will not harm the galvanized surfaces and will dry clear or translucent to the eye. Where rust is present, Corrverter dry black or a dark color. Use of other rust conversion products is not recommended for this procedure, as other brands contain tannic or phosphoric acids which can destroy the roof. Test performed by US NAVY have shown that acid based rust conversion products can eat away thin metal sheets such as corrugated roof with one treatment only! We have seen failure occur to many different types of structures and equipment with use of tannic and phosphoric acid based rust converters. Allow at least 24 hours for Corrverter coated surfaces to dry. Next, apply Cortec [VpCI-396](#) Moisture Cure Urethane to complete roof for better long term protection. Insure use of respirator while applying VpCI-396. Allow coated surfaces to dry at least 24 hours. Prior to applying finish coat, rinse surfaces with water to insure removal of chemicals such as sulfur dioxides or chlorides remaining on surfaces. Use of [Salt Away](#) is recommended if VpCI-396 Moisture Cure Urethane has sat exposed for more than 4-5 hours. Final topcoat should then be with Cortec [VpCI 387 Clear](#) by roll, spray or brush to all metal roof top surfaces with at least 2 coats for best performing and extended protection. This system will deliver 15 to 20 years, possibly longer protection. Partial coating to areas on roofing can be performed, but expect mixed results at ends of repair areas if untreated areas are left exposed. Apply at least 2 coats allowing dry time between coatings.

If a custom color roof is required, acrylic based water borne tints can be procured from Paint Store and blended into Cortec VpCI 387 Clear. Insure that your color chip has been matched for best results.

Go to Products - High Performance Coatings for data sheets

Contact Us at (808) 676-1963 for purchasing or more information if required.

Solutions for Rust and Corrosion

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