

OVERVIEW & FEATURES

R-Mer Coat is a top of the line industrial maintenance coating that uses the latest high-performance Kynar Aquatec® PVDF resin to restore weathered metal substrates. R-Mer Coat's fluoropolymer chemistry boasts superior resistance to color fading and outperforms less weatherable, less UV-stable acrylic coatings. The coating system is specifically formulated to provide unparalleled color and gloss retention better than any other field-applied paint product. The coating not only restores and protects building facades, but provides an aesthetically-brilliant finish to the surface. When used in conjunction with one of the uniquely formulated primers, the R-Mer Coat system brilliantly transforms old, worn metal surfaces, such as wall panels and roofing, into vibrant, long-lasting structures.

R-Mer Coat is recommended for exterior metal and is compatible with the following substrates: aluminum, ferrous metal, steel, stainless steel, previously coated metal, and PVDF coated metal.

Unparalleled Weathering Resistance – Unlike traditional exterior acrylic or urethane systems, R-Mer Coat's unique Kynar Aquatec® PVDF chemistry prevents fading, chalking, and dirt pick-up with unprecedented UV-resistance, increasing the service life of metal building exteriors such as roofing, decorative features, support structures, wall panels or edge metal.

Reduced Maintenance Costs – R-Mer Coat's superior weather-resistant properties decrease maintenance costs by eliminating the need to re-coat for years after initial installation, even with dark or vibrant colors.

Tenacious Adhesion – R-Mer Coat's specifically and uniquely formulated primers enable the R-Mer Coat system to adhere tenaciously to a multitude of metal substrates, including difficult to coat surfaces like factory-applied Kynar 500® finishes.

Expansive Color Selection – R-Mer Coat is available in all colors offered through Garland's Metal Color Chart, but is also capable of being color-matched to any color the customer desires. The minimum order quantity for custom color-matching is 25 gallons.

APPLICATION

The service life of the coating system is directly related to the surface preparation. The surface to be coated must be properly prepared, repaired, dry, clean and free of all contamination. Preparation varies with the substrate to be coated. For roof slopes greater than 3:12, R-Mer Coat may need to be applied in multiple coating layers to meet required coverage rates. Consult your Garland Technical Department for specific prep recommendations and which R-Mer Coat primer is required.

R-Mer Coat must be applied with approved spray equipment – the Graco GMAXII 7900 or an equivalent pump. The airless spray pump must have a minimum 2,000 psi output pressure rating as well as adequate delivery volume to support the spray tip orifice gallons per minute rating. Please consult the Garland R-Mer Coat spray guide for complete details.

Ambient air temperature at the time of application is important to the coating performance. Be sure to check that the air, surface and material temperature are between 50°-90°F (10°-32.2°C) and at least 5°F (-15°C) above the dew point. Do not apply if rain is expected within 24 hours or if the air or surface temperature is expected to drop below 50°F (10°C) for 24 hours after application. Do not apply the coating in direct sunlight as the flow and cure time can be negatively affected.

Agitate R-Mer Coat with a mixer for 2-3 minutes, then spray apply the topcoat to the primed surface at a wet film build of 5-6 mils, which will provide a coverage rate of 350-400 sq. ft. per gallon (8.6-9.8 m²/l) under normal weather conditions described above. Allow 6 hours of cure time prior to applying the second installation of R-Mer Coat at the same coverage rate.

At 77°F (25°C) and 50% humidity, R-Mer Coat will dry to the touch in 30-60 minutes. It will be dry enough to re-coat in 6 hours. The coating will fully cure in 30 days.

NOTE: Coverage rates will vary depending on your surface profile.

CLEAN-UP

Use warm soapy water to thoroughly clean application equipment and to remove wet paint. Any cured or dried coating will have to be removed with standard grade paint thinner. After cleaning, flush spray equipment with water or a water/solvent blend.

PRECAUTIONS

- Includes a stretch factor of 15-30% when calculating metal roof surface area to ensure enough coating is ordered.
- Do not apply when the ambient temperature is below 50°F (10°C) or above 90°F (32.2°C).
- Do not apply to metal substrates where the surface temperature is above 140°F (60°C).
- Do not attempt to apply this product by brush or roller, it must be sprayed.
- Do not allow this material to freeze.
- Consult the product SDS before attempting to apply.
- Cured R-Mer Coat is slippery when wet, be cautious when walking on roof.
- Coverage rates may vary based on surface condition/ texture and do not take into account material loss due to spraying, surface texture, surface absorption, waste, etc.

R-Mer[®] Coat

Technical Data	R-Mer Coat
Density @77°F (25°C) ASTM D1475	9-12 lbs./gal. (1.08-1.44 g/ml) <i>Varies depending on the color</i>
Type	Water Based
Clean-Up	Warm, Soapy Water
Viscosity ASTM D2196	70-90 KU @77°F (25°C)
Solids % by weight	39-55% <i>Varies depending on the color</i>
Solids % by volume	35-45% <i>Varies depending on the color</i>
Recommended Film Thickness	5-6 mil (wet), 2 mil (dry)/coat
Flash Point	>167°F (75°C)
Gloss @60°F (15.5°C)	10-20 (eggshell) 30-45 (semigloss) <i>Varies depending on the color</i>
Shelf Life	12 months, unopened container
Coverage Rate	350-400 sq.ft./gal. (8.6-9.8 m ² /l) per coat (two coats required)
Packaging	5 gallon (18.92 l) pail

For specific application recommendations, please contact your local Garland Representative or Garland Technical Service Department.

Eco Facts	R-Mer Coat
VOC	40-100 g/l (<i>depending on color</i>)
Reflectance*	
Initial	0.93
3-Year Aged	0.84
Emittance*	
Initial	0.90
3-Year Aged	0.85
SRI*	
Initial	119
3-Year Aged	105

*Bright white color

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.

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