R-Mer® Coat Primer

since 1895

OVERVIEW & FEATURES

R-Mer Coat Primer is a water-based, low-VOC primer specifically formulated to be used in conjunction with the R-Mer Coat topcoat. R-Mer Coat Primer enhances the adhesion of R-Mer Coat to both ferrous and non-ferrous metal substrates and even coated metal surfaces, providing a long-lasting and durable finish. R-Mer Coat Primer and R-Mer Coat topcoat combine to form one of the highest-performing exterior coating systems available on the market.

NOTE: For Kynar 500® or previously PVDF painted substrates, use our R-Mer Coat PVDF Primer instead.

Tenacious Adhesion – R-Mer Coat Primer's unique chemistry adheres tenaciously to a multitude of metal surfaces so there are no concerns of failed bonding or peeling on the substrate. The R-Mer Coat Primer is the perfect compliment to the R-Mer Coat topcoat, completing the secure system bond for long-term performance.

Cost-Effective – Just one thin coat of R-Mer Coat Primer outperforms standard paint primers. With less material needed to complete the job, R-Mer Coat Primer is an economical solution with long-term durability and performance.

Easy to Apply – R-Mer Coat Primer is designed for easy spray application.

Eco-Friendly & Easy Clean-Up – With a low VOC content, this product is very environmentally friendly. In the event of overspray, R-Mer Coat Primer can be cleaned off of surfaces with warm, soapy water before it dries, instead of harsh solvents or cleaning agents.

SURFACE PREPARATION

The service life of the coating is directly related to the surface preparation. The surface to be coated must be properly prepared, dry, clean and free of all contamination. Solvent clean to remove all contaminants. Abrade substrate with hand/power tools or sand-blasting where required to remove loose mill scale, loose rust, loose paint, old repair materials and other contaminants. Ensure substrate is clean and free of dust/debris before primer coating application. In addition to proper preparation, perform an adhesion test using ASTM D3359 (the standard test method for measuring adhesion by tape test) prior to applying R-Mer Coat Primer.

NOTE: Inspect and make all necessary repairs to damaged substrates, including, but not limited to, rust fasteners, excessive gaps and seams.

APPLICATION

Ambient air temperature is important to the primer performance - the air and material temperature must all be 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 coatings in direct sunlight as it will negatively affect flow and cure time.

R-Mer Coat Primer must be applied with approved spray equipment – the Graco GMAXII 7900 or an equivalent pump. The airless spray pump must have a minimum 2,500 psi output pressure rating as well as adequate delivery volume to support the spray tip orifice gallons per minute rating. Proper pressure will vary by job, hose length, tube size and width of substrate. Please consult the Garland R-Mer Coat spray guide for complete details.

After preparing the substrate, before beginning to spray, mix R-Mer Coat Primer. Spray the primer at a coverage rate of 3-4 wet mils, or 400-450 sq. ft./gal (9.8-11.05 m^2/l).

R-Mer Coat Primer will dry to the touch in 30-60 minutes at 77°F (25°C), 50% humidity. Allow the primer to fully cure for 24 hours before applying R-Mer Coat topcoat. After the primer has dried, check the adhesion of the primer to the substrate using ASTM D3359 tape test to ensure a suitable bond before applying topcoat.

NOTE: 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.

CLEAN-UP

Use warm soapy water to thoroughly clean application equipment and to remove wet primer. Any cured or dried coating may 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 primer 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 is designed to be sprayed.
- Do not allow this material to freeze.
- Consult the product SDS before attempting to apply.

R-Mer® Coat Primer

Technical Data	R-Mer Coat Primer
Density @77°F (25°C) *ASTM D1475*	11 lbs/gal (1.32 g/ml)
Type	Water Based
Clean-Up	Warm, Soapy Water
Viscosity *ASTM D2196*	80-90 KU @ 77ºF (25ºC)
Solids % by weight	57%
Solids % by volume	43%
Recommended Film Thickness	3-4 mil (wet), 1-1.25 mil (dry)
Flash Point	>212°F (100.0°C)
Gloss @60°F (15.5°C)	<15
Color	White
Shelf Life	12 months, unopened container
Coverage Rate	400-450 sq.ft./gal.(9.8-11.05 m2/l)
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 Primer
VOC	<25 g/l

For more information, visit us at: www.garlandco.com

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