



## OVERVIEW & FEATURES

R-Mer Coat Primer is a water-based, low-VOC formulation engineered to work exclusively with the R-Mer Coat topcoat. The primer's primary function is to optimize the bond of R-Mer Coat to existing, previously coated metal substrates. This pairing—R-Mer Coat Primer and the R-Mer Coat topcoat—creates an exceptionally durable, high-performing exterior coating system.

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

**Tenacious Adhesion** – R-Mer Coat Primer's advanced chemistry adheres well to a broad range of coated metal surfaces. This strong adhesion significantly reduces the potential for bond failure or peeling. Paired with the R-Mer Coat topcoat, this primer helps establish a secure system bond designed 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, rusted and backed out fasteners, excessive gaps and seams.

## APPLICATION

Ambient air temperature is important to the coatings performance and how the film cures. Be sure to check that the air and material temperature are between 50°-90°F (10°-32.2°C). 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 the flow and cure time can directly be affected.

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<sup>2</sup>/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).
- Ensure surface temperature is at least six Fahrenheit degrees (three Celsius degrees) above the dew point and rising.
- 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

## R-Mer Coat Primer Technical Data Sheet



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

For more information, visit us at: [www.garlandco.com](http://www.garlandco.com)

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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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