

R-Mer® Coat PVDF Primer



OVERVIEW & FEATURES

R-Mer Coat PVDF Primer is a water-based primer specifically formulated for use with the R-Mer Coat topcoat. R-Mer Coat PVDF Primer allows the system to adhere to Kynar 500® PVDF finishes or substrates previously painted with a PVDF based finish. R-Mer Coat PVDF Primer not only enhances adhesion of the R-Mer Coat paint system, it also saves building owners money by allowing R-Mer Coat to be applied more efficiently and with less material. Combined with the R-Mer Coat topcoat, R-Mer Coat PVDF Primer completes one of the highest-performing coating systems available on the market today.

NOTE: If the surface has NOT been previously painted with Kynar 500® finish or another PVDF coating, use standard R-Mer Coat Primer.

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

Eco-Friendly – With a low VOC content, this water-based product is very environmentally friendly.

Easy Clean-Up – In the event of overspray, R-Mer Coat PVDF 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) to ensure satisfactory adhesion of 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 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) 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 the flow and cure time can directly be affected.

R-Mer Coat PVDF Primer must be applied with approved spray equipment – the Graco GMAXII 7900 or an equivalent pump. The airless spray pump must have a minimum 2,000 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 PVDF Primer. Spray R-Mer Coat PVDF Primer at a coverage rate of 3-4 wet mils or 400-450 sq.ft./gal. (9.8-11.05 m²/l). Once the primer has dried, check the adhesion of the primer to the substrate using ASTM D3359 tape test before applying the topcoat.

R-Mer Coat PVDF Primer will dry to the touch in 30-60 minutes at 77°F (25°C), 50% humidity. Wait for primer to fully cure for 24 hours 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 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 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 must be sprayed.
- Do not allow this material to freeze.
- Consult the product SDS before attempting to apply.

R-Mer[®] Coat PVDF Primer

Technical Data	R-Mer Coat PVDF Primer
Density @77°F (25°C) ASTM D1475	8.70 lbs./gal. (1.04 g/ml)
Type	Water Based
Clean-Up	Warm, Soapy Water
Viscosity	2,000 cP
Solids % by weight	38%
Solids % by volume	31%
Recommended Film Thickness	3-4 mil (wet), 1-1.25 mil (dry)
Flash Point	>200°F (93.3°C)
Gloss @60°F (15.5°C)	60-70
Color	Grey
Shelf Life	12 months, unopened container
Coverage Rate	400-450 sq.ft./gal. (9.8-11.05 m ² /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 PVDF Primer
VOC	<25 g/l

For more information, visit us at: 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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