



Corroguard MM-104

Oxide Inhibitor + Converter for Int/Ext

Description:

Corroguard™ is an effective, water-based coating that controls corrosion on surfaces by chemically converting iron oxide into a black magnetite barrier that will not rust. Its acrylic composition acts as a base and bonding agent over which alkyd or oil-based coatings, epoxy, polyurethane and urethane paints can be applied.

Meets Requirements for:

MPI:	N/A
Green Performance 1:	N/A
Green Performance 2:	N/A
VOC Compliant (<150g/L):	Yes
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages:

- Converts rust into a black barrier
- Excellent anchorage to rusty surfaces
- Water-based
- Seals metal against moisture
- Protects against future rust
- Contains no heavy metals or lead
- Eliminates harsh cleaning processes
- Ready for brush, roller or spray application
- Non-flammable

Uses:

Corroguard™ is recommended for use on rusted or partially rusted steel surfaces as a paint primer. It protects against future rust and can be used on welds. Eliminates the need for mechanical cleaning of the metal. It is excellent for alkyd, oil, epoxy, urethane and polyurethane paints. Water-based paints may require an oil base as an intermediate application. It is ideal for use in marine, industrial, commercial or residential environments. Does not eliminate the use of other anti-corrosive bases. Can be applied on non-ferrous metals, ferrous metals, aluminum, copper, bronze, etc.

Technical Data:

Product Type:	Acrylic co-polymer
Finish:	GLossy
Solids (%):	50 ± 2% by weight
Weight/Gallon:	8.6 ± 0.05 lbs. (3.9 ± 0.02 kg.)
Color:	Milky White / Dries Black
Drying Time:	To touch: 25 - 30 min. To recoat: 40 - 60 min.
Coverage:	
Theoretical:	Up to 500 sq.ft. per gallon @ 1 mil
Sizes:	1 gallon 1 quart
Thinning:	Is not recommended.
Viscosity:	400 - 600 KU's
Ph:	4 -5
VOC:	<150 g/L

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

S.D.S.: Available upon request.

Surface Preparation:

All surfaces must be dry, clean, sound and free of contaminants. Remove all dirt, grease, chalk, mildew, oil, rust, concrete curing agents, dust, and other soluble contaminants from steel surfaces by washing with solvent, vapor, cleaning compound or other method. Remove all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by hand chipping, scraping, sanding, and wire brushing or by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling. Use a Lanco® base, if necessary, according to the recommended specifications of this product for surfaces such as: concrete, plasters, gypsum wallboard, drywall, wood, plywood, steel, aluminum, galvanized steel, other composition materials or vinyl siding, following the application instructions. Glossy surfaces should be lightly sanded and primed prior to new paint application.

How does it work:

Corroguard™ converts rust into a black protective polymeric coating in a process of reaction process converting the existing rust into an inert layer that seals the metal against moisture, preventing future rust and corrosion. Surfaces protected with Corroguard™ resist effects of weather, rain, sun and salt. This provides long-term protection for steel and iron surfaces.

Iron and oxidized steel surfaces:

Preparation: SSPC-SP2
Apply 1 or 2 coats: Corroguard™
400-500 sq. ft/gal
(46-51 sq. m/gal) @ 1.0 mil
Apply two coats for greater thickness.

Final Paint Coat Application:

Wait 24 hours to apply the final coat of paint. You can apply only alkyd paints over Corroguard.

Surface Preparation Standards:

SSPC-SP1 Solvent cleaning: Removal of all visible oil, grease, soil, drawing and cutting compounds, and other soluble contaminants from steel surfaces with solvent Lanco® Lacquer Thinner LT-102, vapor cleaning, alkali, emulsifying agent, or steam.

SSPC-SP2 Hand tool cleaning: Removes all loose mill scale, loose rust, loose paint, and other loose foreign matter by hand chipping, scraping, sanding, and wire brushing.

SSPC-SP3 Power tool cleaning: Removes all loose mill scale, loose rust, loose paint, and other loose detrimental foreign matter by power wire brushing, power sanding, power grinding, power tool chipping, and power tool descaling.

SSPC-SP6 / NACE 3 Commercial blast cleaning: Commercial blast cleaning is a method of preparing metal surfaces for coating by the use of abrasives propelled through nozzles or by centrifugal wheels. It requires the removal of all visible scale, rust and other surface contaminants. Generally evenly dispersed very light shadows, streaks and discoloration caused by stains of rust, stains of mill scale and stain of previously applied paint may remain on no more than 33% of the surface. Slight residues of rust and paint may also be left in the craters or pits if the original surface is pitted.

SSPC-SP7 Brush-off blast cleaning: This is a method of preparing metal surfaces for painting by removing loose mill scale, loose rust and loose paint by use of abrasive propelled through nozzles or by centrifugal wheels. It is not intended that the surface be free of all scale, rust and paint. The remaining scale, rust and paint should be tight and surface should be sufficiently abraded to provide good adhesion and bonding of paint. Surface should be treated or primed before any rusting occurs, therefore, best practice is to prime or chemically treat within eight hours of blasting. Under normal conditions, the period may be extended to 24 hours.

Surface Application Recommendations:

Previously painted surfaces: Clean surface of all loose, peeling paint and foreign material; spot prime bare metal areas. If the paint is old, peeling or badly weathered, hand tool clean (SSPC-SP2) or power tool clean (SSPC-SP3). Glossy or smooth surfaces should be sanded. If poor adhesion of existing coatings is noted or coating is loosed by blistering, rupture or scratching, additional abrasion or removal methods may be necessary to provide a clean and sound surface.

New iron and steel metals: Clean surface of all loose rust, grease, oil, and foreign material; spot prime bare metal. If the paint is old, peeling or badly weathered, hand tool clean (SSPC-SP2) or power tool clean (SSPC-SP3).

Method of Application:

Stir thoroughly before using. Do not apply when surface or air temperature is below 50 °F or if rain is expected within 5 hours. Apply product with brush, roller or sprayer. Apply generously with a full brush or roller and avoid excessive brushing or spreading too thinly. Typical standard practice recommends to mix the product on the container to assure the consistency and coverage.

Mixing and Thinning: Mix always thoroughly before application. Thinning is not recommended, if necessary use only 8oz. of Lanco® water per gallon.

Brush: Use a 3/8" PA-1982 or polyester brush PA-1999.

Roller: Use a Lanco® All-Purpose 1/4" or 3/8" Enamel Roller PA-566. Apply generously, but avoid excessive brushing or reworking of painted areas, do not apply or spread too thinly.

Spray: The equipment must be capable of maintaining a pressure of 700-1000 psi with a tip of 0.015 to 0.019. Spray and reapply on rough or porous surfaces to achieve required film formation. See equipment manufacturer's recommendations.

Conventional Spray: For suction feed, use a DeVilbiss MBC gun with an "E" tip and needle and 30 air cap or equivalent, at 40-45 psi atomizing pressure. For pressure feed, use a DeVilbiss MBC gun with an "E" tip and needle and 704 air cap or equivalent at 40-45 psi and 5-8 fluid pressure, 3/8" ID material hose, double-regulated pressure tank with oil and moisture separator. Apply two coats with overnight drying between coats to minimize pinholes on the surface is recommended. See equipment's manufacturer recommendation.

Airless Spray: Minimum of 28:1 ratio pump, with a 0.013"- 0.015" tip, 1/4" ID Teflon material hose. Apply two coats with overnight drying between coats to minimize pinholes on the surface is recommended. See equipment's manufacturer recommendation.

Precaution: Do not add mineral spirits or other solvents to this product. Do not apply when air or surface temperature is below 50 °F (10 °C). Apply liberally, but do not overspread. Stop painting at least two hours before you expect dew to form or the temperature to fall below 50 °F (10 °C).

Important: It is important that you apply one coat of primer and two full coats of paint to achieve the warranty protection.

Limited warranty: The manufacturers liability in connection with the sale of this product extends only to the replacement price if it should fail to comply with quality standards or specifications.

Safety precautions: Refer to S.D.S. sheet before use.

Warning!: If you scrape, sand, or remove old paint, you may release lead dust. Lead is toxic. Wear a NIOSH-approved respirator to control lead exposure. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. For chemical emergency call ChemTrec 1-800-424-9300. Protect from freezing.

