



**HIGH-TECH WATERBASED RED IRON OXIDE
RUSTGUARD
PROTECTIVE WATERPROOFING
ZINC RICH HIGH SOLIDS METAL PRIMER SEALER**

**Product # 5-790
3/26/2010**

PRODUCT DESCRIPTION:

RUSTGUARD is a revolutionary new, multi-purpose, waterborne latex, red iron oxide primer sealer. It is designed to protect metals from rusting during storage or erection, and for general maintenance to retard the spread of existing rust on metals. RUSTGUARD is formulated with an optimum high solids blend of environmentally acceptable Zinc and Corrosion Resistant Pigments in a 100% Acrylic Waterproofing Resin base. A safe, low V.O.C. mixture with low odor for interior or exterior use which maintains the same level of performance as the "old" Red Lead and Zinc Chromate Primers. RUSTGUARD has excellent adhesion to most any metal surface plus provides excellent waterproofing and chemical resistance. It has all the advantages of solvent based products without the use of hazardous solvents. Easy application and cleans up while still wet with soap and water. RUSTGUARD does not have to be top coated, but can be top coated with most any latex paint or coating.

RUSTGUARD USES:

RUSTGUARD can be used for interior or exterior surfaces, including metal roofs. It has excellent adhesion to aluminum, steel, galvanized, ferrous and other metals in normal chemical environments. It is excellent for both new construction and renovations on industrial, commercial and residential applications.

SURFACE PREPARATION:

For proper adhesion and maximum performance it is essential that the surface is prepared properly. The surface must be absolutely clean, dry, and free of all scaling rust, mill scale, dirt, grease, wax, oil, chalk, incompatible paint or detergent/chemical films. Rusted metals should be cleaned down to remove all scaling and flaking rust by scraping, wire brushing, sanding or sandblasting. Be sure the surface is thoroughly de-greased and moisture free before priming. Use a degreaser on galvanized or coated metals that have oils or surface treatments.

Apply only to a sound, completely dry, well prepared roof surface. Leaks must be repaired before any coating is applied. Prepare surface by thoroughly pressure washing with a water and chlorine mixture using at least 1500 P.S.I. to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. RUSTGUARD will resist mildew growth, but will not kill mildew already on the surface. Apply RUSTGUARD in rusted or corroded areas that need to be treated. TWO COATS OF RUSTGUARD MUST ALWAYS BE APPLIED. Patch any holes, cracks, flashings, valleys, vents, etc., with LEAKGUARD, a Waterproof Caulk and Sealant, after RUSTGUARD application. Tape & seal all seams with POLYTAPE, a Polyester Fabric Tape. NOTE: RUSTGUARD may be used as a saturant for the POLYTAPE with the second coat of RUSTGUARD applied over the POLYTAPE.

APPLICATION PROCEDURE:

Stir well. You will notice RUSTGUARD to be quite thick. This is necessary to hold the high solids of zinc and red iron oxide pigments in suspension. If thinning is necessary, use water sparingly, not exceeding 8 ounces per gallon of primer. Be sure to only thin the amount of product that will be used within 24 hours, or settling of pigments may occur. If possible, RUSTGUARD should be applied as is from the container, no thinning. Apply at temperatures above 40° Fahrenheit and when primer will not be subjected to rain or heavy dew before it has had a chance to dry (approximately 2-4 hours). Apply with short nap roller, brush or at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .027. Apply uniformly and do not leave any puddles. Two coats are required. The first coat may show some flash rusting, but the second coat will completely encapsulate all active oxidation. Spot priming is acceptable, but the applicator should be aware of the possibility of microscopic rust not visibly seen. Spot prime with two coats of RUSTGUARD and extend one foot beyond the perimeter of the rust. Consideration should be given to two coat the entire surface area greatly reducing any possibility of future rust. Wait at least 12 hours before applying a second coat. Dry times will vary depending on weather.

Airless Sprayers: Use at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .027. Remove all line filters and gun filters before spraying.

Clean Up: Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water.

APPLICATION SPECIFICATIONS:

RUSTGUARD must be applied as followed for best performance and Warranty Compliance:

- Surfaces with less than 40% Rust; Spot Prime with Two Coats of RUSTGUARD over affected area(s) extending one foot beyond perimeter of visible rust, then prime entire surface with a Full Coat of ULTRABOND.
- Surfaces with over 40% Visible Rust or Corrosion: Spot Prime with One Coat of RUSTGUARD over affected area(s) extending one foot beyond perimeter of visible rust, and One Full Coat of RUSTGUARD over entire surface to be painted or coated.

MIL THICKNESS: The primer coat of RUSTGUARD must result in a minimum 15 mil total dry film thickness for two coats. **MAXIMUM SPREAD**

RATES: RUSTGUARD must be applied at no more than 150 square feet per gallon.

Just because rust is not visible, does not mean it has not started to form, Two Full Coats of RUSTGUARD is strongly recommended; any application less than two full coats of RUSTGUARD applied at no more than maximum spread rates may not be effective to prevent, retard or stop rust and corrosion.

Ambient Temperature of 77°F and RH of 50%		TECHNICAL SPECIFICATIONS:		Rates & Times May Vary Beyond Specifications
FINISH:	Flat	SPREAD RATE:	100 - 150 sq.ft. per gallon	
COLOR:	Brownish Red	DRY TO TOUCH:	2 to 4 Hours	
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	12 Hours	
SOLIDS by WEIGHT:	59% +/- 2%	CURE TIME:	5 to 7 Days	
SOLIDS by VOLUME:	43% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.	
V.O.C.'s (averages):	.83lbs./gal. • 100.0g/liter	GALLON WEIGHT:	11.9 lbs. +/- .3 lbs.	
Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.				

Product Identification	Product Name: RUSTGUARD Product Code #: 5-790 General Usage: Red Iron Oxide Metal Primer General Description: Pigmented Latex Primer C.A.S. Number: None Established; Mixture	
Manufacturer Information	Meridian Coatings 200 Eagles Nest Drive, Bldg 300, Ste B Canton, GA 30115	
Chemical and Physical Properties	Color: Brownish Red Physical State: Liquid Boiling Point: 212 Fahrenheit Specific Gravity (H ₂ O=1): >1 Vapor Presence: about same as H ₂ O Percent Volatile: 16-21% Evaporation Rate (Butyl Acetate=1): <1	Odor: Pungent Odor Odor Threshold: Unknown Melting Point: N/A Freezing Point: 32 Fahrenheit Solubility in H ₂ O: Soluble pH (undiluted): 8 to 8.5 Vapor Density (Air=1): <1
Fire Protection Information	Decomposition/Combustion: Flash Point: Recommended Extinguishing Media: Flammable Limits:	N/A N/A; Does Not Burn N/A N/A
Storage and Reactivity	Hazardous Polymerization: Storage Conditions: Toxic Products Which May Form:	Will Not Occur Keep from Freezing None
Transportation	Hazard Classes: Hazard Labels: Hazard Determination: Shipping Containers: Shipping Class:	None; Not Hazardous Not Required MSD Sheet Varies Class 55; Water Based Paint
Container Labeling	Explanation of Unique Labeling System:	None Used

Form based on O.S.H.A. Form 20. Information presented herein has been compiled from sources to be reliable and is accurate and reliable to be the best of our knowledge and belief but is not guaranteed to be so.

	SHORT TERM EXPOSURE	
	Route of Entry: Inhalation: Skin:	Precautionary Treatment Expected None Expected None
Health Hazard Data	Eyes: Ingestion:	Flush Immediately with large amounts of water for at least 15 minutes, holding eyelids open. Call a physician if irritation persists Call a physician if significant amounts have been Swallowed. Give patient large amounts of water or milk for dilution.
	LONG TERM EXPOSURE	
	Carcinogen: Target Organ Effects: Other Health Hazards:	None None None Known
Personal Protection	Respiratory Protection: Protective Clothing: Ventilation: Other Protective Measures: Eye Protection:	No inhalation hazard expected None Required Local None Safety Glasses
Spill or Leak Protection	Accidental Release or Spill: Neutralizing Chemical/Media:	Collect liquid or solidify with absorbent package for disposal N/A
Treatability	Biodegradability: With water prior to cure. Influence on Biological Wastewater Treatment: None Other Impacts on Wastewater Treatment: None Recommended Wastewater Treatment: Dilutable Constituents Interfering With or Not Amenable to Biological or Wastewater Treatment: None	
Recommended Waste Disposal	Dispose of in accordance with Federal, State and Local guidelines.	

EMERGENCY & INFO: 888-559-0297