

NOBLE GUARD ZINC RICH EPOXY PRIMER

PRODUCT DESCRIPTION	A two-pack zinc rich polyamide cured epoxy primer with metallic zinc powder. It provides a tough resistant coating with excellent mechanical and anti-corrosive properties. It provides cathodic protection on a local mechanical damage. It also has excellent adhesion on metal surfaces.
RECOMMENDED USES	Anti-corrosive primer for structural steel in fertilizer plants, piping and petrochemical sub oil structures and parts immersed in water. The super imposed system must be unsoponifiable

TECHNICAL DATA

COLOUR, DRY FILM	Grey
FINISH, DRY FILM	Smooth / Matt
VOLUME SOLIDS (ASTM D2697)	51 ± 2%
SPECIFIC GRAVITY	2.40 ± 0.05 (of mix)
THEORETICAL SPREADING RANGE	20.4 - 10.2 M ² /LTR
RECOMMENDED DFT RANGE (DRY FILM THICKNESS)	25 - 50 Microns/Coat
RECOMMENDED WFT RANGE (WET FILM THICKNESS)	49 - 98 Microns/Coat
FLASH POINT	24°C
FLEXIBILITY	Fair
WATER RESISTANCE	Excellent
SOLVENT RESISTANCE	Very Good
ADHESION	Excellent
ABRASION RESISTANCE	Good

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, 1m thickness and number of coats all affect the drying time.)

TOUCH DRY	30 minutes
*DRY TO RECOAT / OVERCOAT	6 hours (minimum) - For maximum recoating interval refer to our Technical service division.
FULLY CURED	5 days

*For same generic type paint.



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ADVANTAGES

NOBLE GUARD ZINC RICH EPOXY PRIMER	It provides a tough resistant coating with excellent mechanical and anti-corrosive properties. Provides cathodic protection on a local mechanical damage, excellent adhesion on properly cleaned surface.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	Oil and grease should be removed by solvent cleaning. Sand blast to Sa 2.5, then clean & dry. Apply immediately Noble Guard Epoxy Red Oxide Primer after the steel has been blasted.
REPAIR	Corroded areas should be power tool cleaned to St3 or blast cleaned to Sa2 or better. Existing system should be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.

APPLICATION DATA

APPLICATION METHOD	Airless Spray	Conventional Spray	Brush
CLEANING/THINNING	Noble Epoxy Thinner		
THINNER (VOLUME)	5 - 10%	10 - 15%	5 - 10%
CONV. SPRAY REQUIREMENTS	Atomizing pressure: 40 psi		
AIRLESS SPRAY REQUIREMENTS	2200 psi		
NOZZLE SIZE	0.018" - 0.020"		
MIXING RATIO (BY VOLUME)	Base : Hardener 4:1 (Mix thoroughly, keep for 10 - 15 minutes)		
POT LIFE @ 30°C (100 ml)	8 hours (reduced at higher temperature) Note: Material may gel at elevated temperature.		

SYSTEM

RECOMMENDED SYSTEM	No. of Coats x DFT (Microns)	
To be applied on prepared surface.	Noble Guard Zinc Rich Epoxy Primer	: 1 x 30
	Noble Guard Undercoat H.B.	: 1 x 125
	Noble Guard Topcoat (OR)	: 1 x 50
	Noble Polyurethane Topcoat (OR) as specified	: 1 x 40



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ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS	<p>As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and airmask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable airmask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.</p> <p>This as industrial product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.</p>
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STORAGE & HANDLING

STORAGE	<p>Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.</p>
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NOTE : We warranty only the quality of our product and this data sheet is based on results obtained from experience and tests.
 We reserve the right to change data without prior notice. For surface preparation, safety details refer specifier and safety data.

This data sheet supersedes all previous issued.
 Issued: 0608

