



**NATIONAL GUARD ZINC RICH EPOXY SHOPPRIMER  
PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

## NATIONAL GUARD ZINC RICH EPOXY SHOPPRIMER

<b>PRODUCT DESCRIPTION</b>	National Guard Zinc Rich Epoxy Shopprimer is a two pack zinc rich polyamide cured, epoxy resin based primer for various paint system. It has good corrosion prevention properties. It is a quick drying primer, can be overcoated after a short interval.
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<b>RECOMMENDED USES</b>	Temporary protective coating for blast cleaned steel during storage and fabrication stages in workshops, Industrial and marine environments. The super imposed system must be unsoaponifiable.
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### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	Grey
<b>FINISH, DRY FILM</b>	Smooth / Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	40 ± 2%
<b>SPECIFIC GRAVITY</b>	2.22 ± 0.05 (of mix)
<b>THEORETICAL SPREADING RANGE</b>	26.5 – 20 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT RANGE (DRY FILM THICKNESS)</b>	15 – 20 Microns/Coat
<b>RECOMMENDED WFT RANGE (WET FILM THICKNESS)</b>	38 – 50 Microns/Coat
<b>FLASH POINT</b>	20°C
<b>FLEXIBILITY</b>	Fair

### DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
<b>TOUCH DRY</b>	15 minutes
<b>*DRY TO RECOAT / OVERCOAT</b>	6 hours (minimum) – For maximum recoating interval refer to our Technical service division.
<b>FULLY CURED</b>	7 days

\*With same generic type paint.

### ADVANTAGES

<b>NATIONAL GUARD ZINC RICH EPOXY SHOPPRIMER</b>	Good corrosion prevention properties, quick drying, short overcoating interval, serve also as holding primer for erection period, excellent adhesion.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	Surface should be grit blasted to Sa2.5-3, to achieve a suitable surface profile roughness, and then clean, dry and keep ready for shopprimer applications.
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**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Airless Spray	Conventional Spray	Brush
<b>CLEANING/THINNING</b>	National Epoxy Thinner (thinner should be added after mixing the components)		
<b>THINNER (VOLUME)</b>	5 – 10%	10 – 15%	5 – 10%
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing Pressure : 40 psi		
<b>AIRLESS SPRAY REQUIREMENTS</b>	2000 – 2200 psi		
<b>NOZZLE SIZE</b>	0.018” – 0.020”		
<b>MIXING RATIO (BY VOLUME)</b>	Base : Hardener 4 : 1 (Mix thoroughly, keep for 15 – 20 minutes)		
<b>POT LIFE @ 30°C (100 ml)</b>	6 hours (reduced at higher temperature) Note: material may gel at elevated temperature.		

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	No. of Coats x DFT (Microns)	
	<u>As shopprimer:</u>	
	National Guard Zinc Rich Epoxy Shopprimer	: 1 x 15-20
	<u>Paint system:</u>	
	National Guard Epoxy Zinc Rich Primer	: 1 x 30
	National Guard Undercoat H.B.	: 1 x 125
	National Guard Topcoat	: 1 x 50

**ADDITIONAL DATA**

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

<p><b>SAFETY PRECAUTIONS</b></p>	<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**

<p><b>STORAGE</b></p>	<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.  
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