

**PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

**NATIONAL ZINC RICH EPOXY PRIMER**

DESCRIPTION	A two-pack zinc rich epoxy primer with metallic zinc pigment. It provides a tough resistant coating with excellent mechanical and anti-corrosive properties. It also provides cathodic protection on a local mechanical damage.
RECOMMENDED USE	- Anti-corrosive primer for structural steel in fertilizer plants, piping and petro chemical sub soil structures and parts immersed in water.

**TECHNICAL DATA**

COLOURS	Grey
FINISH	Matt
VOLUME SOLIDS	51 ± 2%
SPECIFIC GRAVITY KG/L	2.40 ± 0.05 (of mix)
THEORETICAL SPREADING RATE	10 M <sup>2</sup> /LTR.
RECOMMENDED (DFT) - MICRONS	50
RECOMMENDED (WFT) - MICRONS	100
DRYING TIME @ 30°C	Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.
	Touch dry (hours) : 1/2
	Dry to recoat (hours) : 5
	Fully cured (days) : 4

**APPLICATION DATA**

APPLICATION METHOD	Airless Spray	Air (Conv.) Spray	Brush
THINNING (VOLUME)	5 - 10%	10 - 15%	10%
THINNER / CLEANER	National Epoxy Thinner		
AIRLESS SPRAY REQUIREMENTS	Tip : 2200 PSI/0.019"		
CONV. SPRAY REQUIREMENTS	Atomizing Pressure : 40 PSI		
MIXING RATIO (BY VOLUME)	Base : Hardener : 4:1 (Mix thoroughly, mature for 15 - 20 minutes)		
POT LIFE @ 30°C	8 hours		
RECOMMENDED SYSTEM Apply on degrease, blast clean surface.	No. of Coats x DFT (Microns)		
	- National Zinc Rich Epoxy Primer	1 x 50	
	- National Guard Undercoat H.B.	1 x 100	
	- National Guard Topcoat (OR)	1 x 50	
	- Nationathane Topcoat (OR) as specified	1 x 40	

**MISCELLANEOUS DATA**

FLASH POINT (OF MIX)	24°C
SHELF LIFE @ 30°C	18 months in original sealed containers, with proper storage conditions.

**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.