



**PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

**NATIONAL ZINC PHOSPHATE EPOXY PRIMER**

<b>DESCRIPTION</b>	A two-pack primer based on epoxy resin and zinc phosphate pigment with excellent anti-corrosive properties. It is resistant to abrasion, weather and various chemicals.
<b>RECOMMENDED USE</b>	Anti-corrosive primer for structural steel, petrochemical plants, tanks and equipments.

**TECHNICAL DATA**

<b>COLOURS</b>	Grey
<b>FINISH</b>	Matt
<b>VOLUME SOLIDS</b>	52 ± 2%
<b>SPECIFIC GRAVITY KG/L</b>	1.55 ± 0.05 (of mix)
<b>THEORETICAL SPREADING RATE</b>	10.5 M <sup>2</sup> /LTR.
<b>RECOMMENDED (DFT) - MICRONS</b>	50
<b>RECOMMENDED (WFT) - MICRONS</b>	95
<b>DRYING TIME @ 30°C</b>	Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.
	Touch dry (hours) : 5
	Dry to recoat (hours) : 8
	Fully cured (days) : 7

**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Airless Spray	Air (Conv.) Spray	Brush
<b>THINNING (VOLUME)</b>	5 - 10%	10 - 15%	10%
<b>THINNER / CLEANER</b>	National Epoxy Thinner		
<b>AIRLESS SPRAY REQUIREMENTS</b>	Tip : 2200 PSI/0.018"		
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing Pressure : 40 PSI		
<b>MIXING RATIO (BY VOLUME)</b>	Base : Hardener : 4:1 (Mix thoroughly, mature for 15 - 20 minutes)		
<b>POT LIFE @ 30°C</b>	8 hours		
<b>RECOMMENDED SYSTEM</b>	No. of Coats x DFT (Microns)		
<b>Apply on degrease, blast clean surface.</b>	- National Zinc Phosphate Epoxy Primer		1 x 50
	- National Guard Undercoat H.B.		1 x 100
	- National Guard Topcoat (OR)		1 x 50
	- Nationalthane Topcoat		1 x 40

**MISCELLANEOUS DATA**

<b>FLASH POINT (OF MIX)</b>	25 °C
<b>SHELF LIFE @ 30°C</b>	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.