

PROTECTIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL ZINC PHOSPHATE EPOXY SHOPPRIMER

DESCRIPTION	A two-pack quick drying shopprimer based on epoxy resin and zinc phosphate pigment with excellent penetration and adhesion properties.
RECOMMENDED USE	Temporary protective coating for blast cleaned steel during storage and fabrication stages in industrial and marine environments.

TECHNICAL DATA

COLOURS	Grey
FINISH	Matt
VOLUME SOLIDS	40 ± 2%
SPECIFIC GRAVITY KG/L	1.46 ± 0.05 (of mix)
THEORETICAL SPREADING RATE	26.5 - 20 M ² /LTR.
RECOMMENDED (DFT) - MICRONS	15 - 20
RECOMMENDED (WFT) - MICRONS	38 - 50
DRYING TIME @ 30°C	Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.
	Touch dry (minutes) : 15
	Dry to recoat minimum (hours) : 10
	Fully cured (days) : 7

APPLICATION DATA

APPLICATION METHOD	Airless Spray	Air (Conv.) Spray
THINNING (VOLUME)	5 - 10%	10 - 15%
THINNER / CLEANER	National Epoxy Thinner	
AIRLESS SPRAY REQUIREMENTS	Tip : 2000 - 2200 PSI/0.018" - 0.020"	
CONV. SPRAY REQUIREMENTS	Atomizing Pressure : 50 PSI	
MIXING RATIO (BY VOLUME)	Base : Hardener : 4:1 (Mix thoroughly, mature for 15 - 20 minutes)	
POT LIFE @ 30°C	6 hours	
RECOMMENDED SYSTEM Apply on degrease, blast clean surface.	No. of Coats x DFT (Microns)	
	- National Zinc Phosphate Epoxy Shopprimer	1 x 15
	- National Zinc Phosphate Epoxy Primer	1 x 50
	- National Guard Undercoat H.B.	1 x 100
	- National Guard H.B.	1 x 100

MISCELLANEOUS DATA

FLASH POINT (of mix)	20°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.