



PROTECTIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL GUARD H.B.

DESCRIPTION	A two-pack high build epoxy based finish coat. It has excellent resistance to water and corrosive atmosphere. It has also has very good chemical resistance.
RECOMMENDED USE	- As a finish coat for steel surfaces, power plants, tanks, pipes, petrochemical plants and concrete surfaces.

TECHNICAL DATA

COLOURS	Grey & White
FINISH	Matt
VOLUME SOLIDS	56 ± 2%
SPECIFIC GRAVITY KG/L	1.63 ± 0.05 (of mix)
THEORETICAL SPREADING RATE	5.5 M ² /LTR.
RECOMMENDED (DFT) - MICRONS	100
RECOMMENDED (WFT) - MICRONS	180
DRYING TIME @ 30°C	Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.
	Touch dry (hours) : 3
	Dry to recoat : Minimum 24 hrs. Maximum 4 days
	Fully cured (days) : 7

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/0.020" - 0.025"		
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	8 hours		
RECOMMENDED SYSTEM Apply on degrease, blast clean surface.	No. of Coats x DFT (Microns)		
	- National Zinc Phosphate Epoxy Primer	1 x 50	
	- National Guard Undercoat H.B.	1 x 100	
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MISCELLANEOUS DATA

FLASH POINT (OF MIX)	25°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.