



PROTECTIVE COATINGS

TECHNICAL DATA SHEET

NATIONAL GUARD UNDERCOAT H.B.

DESCRIPTION	A two-pack, high-build epoxy based intermediate coat. It has good solvent and chemical resistance. It also gives excellent resistance to water and corrosive atmosphere.
RECOMMENDED USE	- Intermediate coat for structural steel, power plants, tanks, pipes, etc. - It can be overcoated by epoxy and polyurethane paints.

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) : 4
	Dry to recoat : Minimum 24 hrs. Maximum 3 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 Epoxy Red Oxide Primer (OR)		1 x 50
	- National Zinc Phosphate Epoxy Primer		1 x 50
	- National Guard Undercoat H.B.		1 x 100
	- National Guard Topcoat (OR) Nationalthane Topcoat		1 x 50

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.