

**PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

**NATIONAL GUARD ALUMINIUM**

DESCRIPTION	A two-pack epoxy finishing coat pigmented with metallic aluminium. It provides a tough chemical and abrasion resistant coating.
RECOMMENDED USE	- Protection of steel and concrete in aggressive marine and industrial environment. - Epoxy topcoat for LPG Cylinders

**TECHNICAL DATA**

COLOURS	Silver
FINISH	Gloss
VOLUME SOLIDS	44 ± 2%
SPECIFIC GRAVITY KG/L	1.06 ± 0.05 (of mix)
THEORETICAL SPREADING RATE	11 M <sup>2</sup> /LTR.
RECOMMENDED (DFT) - MICRONS	40
RECOMMENDED (WFT) - MICRONS	90
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 5 days 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	: 2200 PSI/0.018"
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	No. of Coats x DFT (Microns)	
Apply on degrease, blast clean surface.	- National Zinc Phosphate Epoxy Primer	1 x 50
	- National Guard Undercoat H.B.	1 x 100
	- National Guard Aluminium	2 x 40

**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.