



**PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

**NATIONAL GUARD TOPCOAT M.I.O.**

DESCRIPTION	A two-pack epoxy based topcoat pigmented with micaceous iron oxide. It is resistance to water, chemicals and mineral oils. It also has high resistance to abrasion and impact along with excellent barrier action due to M.I.O. pigment.
RECOMMENDED USE	Finishing coat for structural steel, exterior of storage tanks, bridges, and towers.

**TECHNICAL DATA**

<b>COLOURS</b>	Grey
<b>FINISH</b>	Satin, Semi-Gloss
<b>VOLUME SOLIDS</b>	56 ± 2%
<b>SPECIFIC GRAVITY KG/L</b>	1.55 ± 0.05 (of mix)
<b>THEORETICAL SPREADING RATE</b>	11 M <sup>2</sup> /LTR.
<b>RECOMMENDED (DFT) - MICRONS</b>	50
<b>RECOMMENDED (WFT) - MICRONS</b>	90
<b>DRYING TIME @ 30°C</b>	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 5 day
	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/0.019"		
<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> Apply on degrease, blast clean surface.	No. of Coats x DFT (Microns)		
	- National Epoxy Red Oxide Primer		1 x 50
	- National Guard M.I.O. H.B.		1 x 100
	- National Guard Topcoat M.I.O.		1 x 50

**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.