

**PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

**NATIONAL M.I.O. UNDERCOAT**

<b>DESCRIPTION</b>	An alkyd based undercoat pigmented with micaceous iron oxide pigment. It has good water resistance. It also offers good barrier against water vapour.
<b>RECOMMENDED USE</b>	Undercoat for external structural steel, cranes, towers, bridges and pipelines in mild industrial environments.

**TECHNICAL DATA**

<b>COLOURS</b>	Light Grey only
<b>FINISH</b>	Matt
<b>VOLUME SOLIDS</b>	48 ± 2%
<b>SPECIFIC GRAVITY KG/L</b>	1.55 ± 0.05
<b>THEORETICAL SPREADING RATE</b>	12 M <sup>2</sup> /LTR.
<b>RECOMMENDED (DFT) - MICRONS</b>	40
<b>RECOMMENDED (WFT) - MICRONS</b>	85
<b>DRYING TIME @ 30°C</b>	Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.
	Touch dry (hours) : 3
	Dry to recoat (hours) : 14
	Hard dry (hours) : 24

**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 G.P. Thinner		
<b>AIRLESS SPRAY REQUIREMENTS</b>	Tip : 2200 PSI/0.015" - 0.017"		
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing Pressure : 50 PSI		
<b>MIXING RATIO (BY VOLUME)</b>	Base : Hardener : One Pack		
<b>POT LIFE @ 30°C</b>	One Pack		
<b>RECOMMENDED SYSTEM</b> Apply on dry, dust free surface.	No. of Coats x DFT (Microns)		
	- National Zinc Phosphate Primer		1 x 40
	- National M.I.O. Undercoat		1 x 40
	- National Synthetic Enamel Gloss I or Gloss II		2 x 35

**MISCELLANEOUS DATA**

<b>FLASH POINT</b>	38°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.