



**NATIONAL ALUMINIUM PAINT**

<b>PRODUCT DESCRIPTION</b>	National Aluminium Paint is a heat resistant paint up to 250°C and is based on pure metallic aluminium flakes dispersed in a special synthetic binder. The metallic flakes, align themselves in a layer parallel to the coating surface. It provides a bright and shiny appearance due to the specular and diffuse reflectivity. This imparts the ability of leafing coating to reflect light and heat away from substrates. It offers very good heat stability, weather resistance and outstanding water resistance. It has excellent adhesion on variety of primers.
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<b>RECOMMENDED USES</b>	It is recommended as a general – purpose heat resistant coating for electric poles, exhaust pipes, radiators, iron towers, pipe etc. It can also be used as protective and decorative coating, over primed metals and wooden surfaces. It is always recommended to mix well before use. It is used for only air – drying applications.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	Aluminium
<b>FINISH, DRY FILM</b>	Metallic / Lustrous
<b>VOLUME SOLIDS (ASTM D2697)</b>	33 ± 2%
<b>SPECIFIC GRAVITY</b>	0.95 ± 0.05
<b>THEORETICAL SPREADING</b>	13.2 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	25 Microns/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	75 Microns/Coat
<b>FLASH POINT</b>	25°C

**DRYING TIME**

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time.)	
<b>TOUCH DRY</b>	20 – 45 minutes
<b>DRY TO RECOAT</b>	6 – 8 hours
<b>HARD DRY</b>	48 hours



**ADVANTAGES**

<b>NATIONAL ALUMINIUM PAINT</b>	Very good heat and light reflection, outstanding water resistance, very good heat stability and weather resistance, bright, shiny decorative appearance, heat resistance up to 250°C etc.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	Before application, the surface should be sound, clean and free from oil, grease, loose particles, dust, etc. Application can be done by the recommended application methods.
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**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Brush, Roller or Spray
<b>CLEANING/THINNING</b>	National GP Thinner
<b>THINNER (VOLUME)</b>	Ready to use
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing pressure : 40 psi
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure: 2200 psi
<b>NOZZLE SIZE</b>	0.016" – 0.018"
<b>MIXING RATIO (BY VOLUME)</b>	NA
<b>POT LIFE @ 30°C (100 ml)</b>	NA

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface. (For non – ferrous metal use suitable primer.)	National Red Oxide Primer	: 1 coat
	National Aluminium Paint	: 2 coats
	(OR)	
	<u>For Heat Resistance</u> National Aluminium Paint	: 2 coats

**NATIONAL/INTERNATIONAL TEST CERTIFICATES**

<b>Sr. No.</b>	<b>Test Description</b>	<b>Test Reference</b>	<b>Compliance</b>
1	VOC	USEPA – 24	Local Regulatory Requirements



**ADDITIONAL DATA**

<b>SHELF LIFE @ 30°C</b>	18 months, in original sealed container, with proper storage conditions.
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**HEALTH & SAFETY**

<b>SAFETY PRECAUTIONS</b>	<p>As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.</p> <p>This product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations to be followed.</p>
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**STORAGE & HANDLING**

<b>STORAGE</b>	Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.
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**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.

This data sheet supersedes all previous issued.  
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