



**NATIONAL INDUSTRIAL QUICK DRYING ENAMEL  
PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

## NATIONAL INDUSTRIAL QUICK DRYING ENAMEL

<b>PRODUCT DESCRIPTION</b>	A quick drying enamel based on a special modified alkyd. It gives a tough, flexible and high gloss finish with excellent leveling. The dried film withstands abrasion, scratch and impact resistances. It can be applied by dip application also.
<b>RECOMMENDED USES</b>	Protective coating for structural steel, pipes, scaffolding, drums, vehicles, industrial and agricultural machineries. Most suitable for production line jobs for fast production. It is suitable for interior/exterior surfaces as a part of alkyd systems.

### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	As per National shade card
<b>FINISH, DRY FILM</b>	Glossy / Semi glossy / Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	50 ± 2%
<b>SPECIFIC GRAVITY</b>	1.12 ± 0.05
<b>THEORETICAL SPREADING RANGE</b>	16.6 – 12.5 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT RANGE (DRY FILM THICKNESS)</b>	30 – 40 Microns/Coat
<b>RECOMMENDED WFT RANGE (WET FILM THICKNESS)</b>	60 – 80 Microns/Coat
<b>FLASH POINT</b>	25°C
<b>FLEXIBILITY</b>	Good

### 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>	5 – 10 minutes
<b>*DRY TO RECOAT</b>	4 – 6 hours
<b>FULLY CURED</b>	10 – 12 hours

\*With same generic type paint.

### ADVANTAGES

<b>NATIONAL INDUSTRIAL QUICK DRYING ENAMEL</b>	Quick drying enamel, gives tough, flexible and high gloss finish with excellent leveling. Dried film has good abrasion, scratch and impact resistances, suitable for dipping application.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	It can be applied directly over intermediate coat or primed substrate. Galvanized steel, aluminium and other light metal alloys should be etched or wash-primed before primer and undercoat application.
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**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Airless Spray	Conventional Spray	Brush	Dipping
<b>CLEANING/THINNING</b>	National Q.D. Thinner			
<b>THINNER (VOLUME)</b>	5 – 10%	10 – 15%	10%	1:1
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing Pressure : 50 psi			
<b>AIRLESS SPRAY REQUIREMENTS</b>	2200 psi			
<b>NOZZLE SIZE</b>	0.015” – 0.020”			
<b>MIXING RATIO (BY VOLUME)</b>	Not applicable			
<b>POT LIFE @ 30°C (100 ml)</b>	Not applicable			

**SYSTEM**

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	No. of Coats x DFT (Microns)	
	National Red Oxide Primer	: 1 x 40
	National Industrial Quick Drying Enamel	: 1 x 40

**ADDITIONAL DATA**

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



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<p><b>SAFETY PRECAUTIONS</b></p>	<p>As a general rule, avoid skin and eye contact by wearing overalls, gloves, goggles, and airmask 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 airmask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well-ventilated area.</p> <p>This as industrial 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 should be followed.</p>
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**STORAGE & HANDLING**

<p><b>STORAGE</b></p>	<p>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.</p>
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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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