



**NATIONAL INDUSTRIAL QUICK DRYING PRIMER  
PROTECTIVE COATINGS**

**TECHNICAL DATA SHEET**

## NATIONAL INDUSTRIAL QUICK DRYING PRIMER

<b>PRODUCT DESCRIPTION</b>	Modified alkyd based anti-corrosive quick drying Primer with iron oxide red pigment. Dry film is tough, hard and has moderate chemical resistance, can be overcoated with alkyd based system. It has excellent adhesion on properly cleaned steel surfaces.
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<b>RECOMMENDED USES</b>	Quick drying anti-corrosive primer for structural steel, tanks and pipelines in moderate corrosive condition. It is suitable for the interior and exterior applications, as part of the alkyd systems.
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### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	Red oxide
<b>FINISH, DRY FILM</b>	Smooth / Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	55 ± 2%
<b>SPECIFIC GRAVITY</b>	1.55 ± 0.05
<b>THEORETICAL SPREADING RANGE</b>	13.7 – 11.0 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT RANGE (DRY FILM THICKNESS)</b>	40 – 50 Microns/Coat
<b>RECOMMENDED WFT (WET FILM THICKNESS)</b>	73 – 92 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/OVER COAT</b>	10 hours
<b>HARD DRY</b>	12 hours

### ADVANTAGES

<b>NATIONAL INDUSTRIAL QUICK DRYING PRIMER</b>	Quick drying, tough, hard with moderate chemical and corrosion resistance, excellent adhesion, good coverage.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	<p><u>New Steel:</u> All surfaces to be coated should be clean, dry and free from any contamination. Oil and grease should be removed by solvent cleaning as per SSPC-SP1. Abrasive blast cleaning to Sa 2.5 or mechanical cleaning using hand/power tool to minimum of St 2 standard should be done.</p> <p><u>Repair/Maintenance:</u> Existing paints system should be dry and free from salt and other contaminants. Corroded and/or damaged areas should be blast cleaned to Sa 2 or power tool cleaned to St 3.</p>
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**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Conventional Spray	Brush	Dipping
<b>CLEANING/THINNING</b>	National Q.D. Thinner		
<b>THINNER (VOLUME)</b>	5 – 10%	5%	1:1
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing Pressure : 50 psi		
<b>AIRLESS SPRAY REQUIREMENTS</b>	Not applicable		
<b>NOZZLE SIZE</b>	Not applicable		
<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 Industrial Quick Drying Primer	: 1 x 40
	National Synthetic Enamel Gloss I (OR)	: 2 x 35
	National Synthetic Enamel Gloss II (OR)	: 2 x 35
	National Industrial Quick Drying Enamel	: 2 x 35

**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 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 ignition sources. Local safety regulations should be followed.</p>
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### **STORAGE & HANDLING**

<b>STORAGE</b>	<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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