



NATIONAL INDUSTRIAL QUICK DRYING ENAMEL – RADIATOR BLACK  
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

**NATIONAL INDUSTRIAL QUICK DRYING ENAMEL –  
RADIATOR BLACK**

<b>PRODUCT DESCRIPTION</b>	A quick drying enamel, based on special modified alkyd. It gives tough, flexible and high gloss finish with excellent leveling. It also withstands abrasion, scratch and impact.
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<b>RECOMMENDED USES</b>	Protective Coating for radiator, structural steel, pipes, scaffoldings, drums, vehicles, industrial and agricultural machinery. It can be applied for interior and exterior applications.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	Black
<b>FINISH, DRY FILM</b>	Glossy
<b>VOLUME SOLIDS (ASTM D2697)</b>	42 ± 2%
<b>SPECIFIC GRAVITY</b>	1.05 ± 0.05
<b>THEORETICAL SPREADING RANGE</b>	14 – 10.5 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>	72 – 95 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>	10 – 15 minutes
<b>DRY TO RECOAT/OVERCOAT</b>	4 – 6 hours
<b>HARD DRY</b>	10 – 12 minutes

**ADVANTAGES**

<b>NATIONAL INDUSTRIAL QUICK DRYING ENAMEL – RADIATOR BLACK</b>	Flexible, excellent leveling, withstands abrasion, scratch and impact, suitable for interior/exterior applications.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	Surface should be degreased, sand or sweep blast with inert-grits. It should then be thoroughly washed by water abrasive blast cleaning. Ensure surface to be dry properly before use.
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**APPLICATION DATA**

<b>APPLICATION METHOD</b>	Conventional spray	Roller	Brush
<b>CLEANING/THINNING</b>	National Q.D. Thinner		
<b>THINNER (VOLUME)</b>	5% max.	5% max.	5% max.
<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 Enamel – Radiator Black : 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**

<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 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**

<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.