



NATIONAL CHLORUBBER M.I.O.  
PROTECTIVE COATINGS

TECHNICAL DATA SHEET

## NATIONAL CHLORUBBER M.I.O.

<b>PRODUCT DESCRIPTION</b>	A chlorinated rubber based paint pigmented with micaceous iron oxide. It has good resistance to water, acids and alkalis. Product has excellent anticorrosive properties due to presence of M.I.O.
<b>RECOMMENDED USES</b>	Intermediate coat for structural steel, marine application, machineries, chemical plants etc.

### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	Grey
<b>FINISH, DRY FILM</b>	Smooth / Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	43 ± 2%
<b>SPECIFIC GRAVITY</b>	1.40 ± 0.05
<b>THEORETICAL SPREADING RANGE</b>	8.6 M <sup>2</sup> /LTR
<b>RECOMMENDED DFT RANGE (DRY FILM THICKNESS)</b>	50 Microns/Coat
<b>RECOMMENDED WFT RANGE (WET FILM THICKNESS)</b>	115 Microns/Coat
<b>FLASH POINT</b>	25°C
<b>CHEMICAL RESISTANCE</b>	Good
<b>WATER RESISTANCE</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>	30 minutes
<b>DRY TO RECOAT / OVERCOAT</b>	8 hours

### ADVANTAGES

<b>NATIONAL CHLORUBBER M.I.O.</b>	Single component chlorinated rubber based with M.I.O. pigment, with excellent anticorrosive properties. It has good resistance to water, acids and alkalis.
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### APPLICATION INSTRUCTION

<b>SURFACE PREPARATION</b>	<p><u>For steel surfaces:</u> Oil and grease should be removed by solvent cleaning. Abrasive blasting to min. Sa 2.5 is required for better anchoring. Corroded areas should be power tool cleaned to St3 or blast cleaned to Sa 2.5. Existing system should be dry and free from loose paint, salt, grease and other contaminants prior to over coating.</p> <p><u>For concrete surface:</u> New concrete should be allowed to cure for at least 28 days. Old surface should be free from oil, grease and salt etc. Surface should be dry, clean and sound before painting.</p>
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### APPLICATION DATA

<b>APPLICATION METHOD</b>	Airless Spray	Conventional Spray	Brush
<b>CLEANING/THINNING</b>	National Chlorubber Thinner		
<b>THINNER (VOLUME)</b>	5 – 10%	10 – 15%	10%
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing Pressure : 50 psi		
<b>AIRLESS SPRAY REQUIREMENTS</b>	2200 psi		
<b>NOZZLE SIZE</b>	0.020” – 0.025”		
<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. Substrate temperature and temperature of the paint to be applied should be between 5°C – 30°C, and substrate temperature during application should be 3°C above dew point of the air.	No. of Coats x DFT (Microns)	
	National Chlorubber Primer	: 1 x 75
	National Chlorubber M.I.O.	: 1 x 50
	National Chlorubber Topcoat	: 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**

<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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