



Sơn Nippon
Sơn Dầu Cũng Đẹp

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Version No. : 2
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PRODUCT DATA SHEET

NIPPELUX 1702 MIO

Product Description:

NIPPELUX 1702 MIO is an Oil-Modified Alkyd based coating pigmented with Micaceous Iron Oxide. It is recommended for use as protective coating on steel structure. It may be overcoated with alkyd based finish or left uncoated.

Physical Characteristics of Paint:

Colour	: Metallic Dark Grey
Finish	: Low gloss
Specific Gravity	: 1.56 ± 0.05
Solid Content	: 55 ± 2 by volume

Performance Characteristics:

- Highly resistant to splash, spillage with a wide range of chemicals, ideal for marine and heavy industrial use
- Good mechanical film properties such as Film hardness, Adhesion, Scratch and Abrasion resistance
- High-build type. It allows film to build up to the required thickness in lesser number of coats compared to normal coatings
- Easy application by brush, roller and spray
- Its coarse texture makes it an excellent non-slip paint

Recommendation for Use:

Surface Preparation

The surface to be painted must be clean, dry and free from dirt, grease, oil and other contaminations. Exposed metal must be primed with NIPPON BILAC METAL RED OXIDE PRIMER (Ferrous metals) or NIPPON 1100 FAST DRYING PRIMER (Ferrous metals) and NIPPON VINILEX 120 ACTIVE PRIMER (non-ferrous metals).

Recommended No. of Coats	: 1 - 2 coats
Recommended Film Thickness per coat	: 50 microns for dry film 91 microns for wet film
Theoretical Coverage at Recommended Film Thickness	: 11.0 m ² / liter (for dry film thickness of 50 microns)

$$\text{Theoretical Coverage (m}^2/\text{liter)} = \frac{\text{Volume Solid (\%)} \times 10}{\text{Dry Film Thickness (\mu)}}$$

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Practical Coverage (20% Loss Factor) : 8.8 m² / liter (for dry film thickness of 50 microns)

Note : This theoretical coverage rate has been calculated from the volume solid of the material and is related to the amount of coating applied onto a perfectly smooth surface without wastage. For a practical coverage rate, due allowance should be made for atmospheric conditions, surface roughness, geometry of the article being coated, the skill of applicator, method of application etc. when estimating quantities required for a particular job.

Application Data:

Application Methods : Brush, roller, compressed air spray and airless spray

Guiding Data for Spray	:		<u>Air</u>	<u>Airless</u>
		Delivery Pressure (kg/cm ²)	3 - 4	140 - 170
		Tip size at 60° angle	1.3 mm	0.015" - 0.017"

Thinning	:	Roller & Brush	10% maximum
		Air Spray	25% maximum
		Airless Spray	5% maximum

Thinner : NIPPON BILAC THINNER

Cleaning Solvent : NIPPON BILAC THINNER

Note: All equipment should be cleaned IMMEDIATELY with Thinner after use. For thinning, substitute thinners other than those approved or supplied by Nippon Paint may adversely affect the product performance and void product warranty whether expressed or implied.

Drying Time at 25°C to 30°C:

Dry to touch : Approximately 1 hour

Dry to handle : 16 hours

Dry to overcoat : Minimum 16 hours

Standard Packing : 5 Liters

Environmental Conditions during Application:

1. Do not apply when the relative humidity exceeds 85%. The temperature of the substrate to be painted must be 3°C higher than the dew point.
2. Do not apply at temperature below 7°C. If not, drying and overcoating time will be considerably extended.
3. During application of the paint, naked flame, welding operations and smoking should not be allowed and good ventilation is necessary.

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Safety, Health and Environmental Information:

1. Flammable Liquid. Do not expose to heat, sparks or open flame.
2. Skin Contact: May cause moderate skin irritation. Avoid prolong contact with skin. Use solvent resistant glove. To remove splashes of paint from skin, use soap and water.
3. Inhalation: Respiratory irritation. Only used in well ventilated areas. Do not breathe vapor or spray paint. Respirator with organic vapor cartridges recommended.
4. Eye Contact: Cause severe eye irritation and blurred vision. Safety glasses / goggles with side shields recommended. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
5. Ingestion: Harmful if swallowed. Keep away from drinks, food and out of reach of children. If swallowed, seek medical advice immediately and show the container or label.
6. In the event of an accident, contain and collect spillage using sand or earth or absorbent. Do not empty into drain or water courses.
7. Wastes and empty containers should be treated and disposed of in accordance with national and local regulations. Empty containers and packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.

NOTE: *The information given applies to the product and its performance under specific test conditions. Due to the varied circumstances beyond our control under which the product may be applied, for specific application, please contact Nippon Paint Sales & Marketing Dept. We reserve the right to modify our product data sheet without further notice.*

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