



NIPPON MICACEOUS IRON OXIDE

Product Description

NIPPON MICACEOUS IRON OXIDE is an alkyd based coating pigmented with micaceous iron oxide. It is recommended for use as protective coating on steel structures. It may be overcoated with alkyd based finish or left uncoated.

Physical Characteristics Of Paint

Colour	:	Dark Grey, Grey Black and Silver
Texture	:	Low Gloss
Specific Gravity	:	1.50 - 1.70, depending on colours
Solid Content	:	51 ± 2% by volume

Recommendation For Use

Surface Preparation	:	The surface must be free from millscale, rust, grease, oil and other contaminants; it must be dry at the time of application.
Recommended No. Of Coat	:	1 – 2 coats
Recommended Film Thickness Per coat	:	50-60 microns for dry film 100-120 microns for wet film
Theoretical Coverage At Recommended Film Thickness	:	10.2 m ² /litre (for dry film thickness of 50 microns) 8.5 m ² /litre (for dry film thickness of 60 microns) Theoretical Coverage = $\frac{\text{Volume Solids (\%)} \times 10}{\text{Dry Film Thickness (\mu)}}$
Practical Coverage (20% Loss Factor)	:	8.2 m ² /litre (for dry film thickness of 50 microns) 6.8 m ² /litre (for dry film thickness of 60 microns)

Note : This theoretical coverage rate has been calculated from the volume solids 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 Methods	:	Brush, roller, compressed air spray and airless spray.
Guiding Data For Airless Spray	:	Delivery Pressure : 140-170 kg/cm ² Tip Size : 0.015" – 0.017" Spray Angle : 60° - 70°
Thinning	:	If necessary, add up to 5% thinner by volume for application by brush, roller and airless spray; about 10%-15% by volume for application by compressed air spray.

Thinner	:	Nippon General Purpose Thinner
Cleaning Solvent	:	Nippon General Purpose 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 litres and 20 litres
Shelf Life At 25°C to 30°C	:	2 years

<u>Environmental conditions During Application:</u>		
1.	Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point.	
2.	Do not apply at temperature below 7°C. If not, drying and overcoating times 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.	

<u>Safety, Health and Environmental Information:</u>		
1.	In the wet state, this product is highly inflammable. In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.	
2.	Keep away from sources of ignition. No smoking.	
3.	Keep container tightly closed and keep out of reach from children.	
4.	Do not breathe vapour/spray. Applying paint to large surface areas under closed environment should use air supplied breathing equipment. For small areas or short periods, a suitable cartridge mask should be worn.	
	Inhalation	: Remove to fresh air, loosen collar and keep patient rested.
	Ingestion	: In case of accidental ingestion. DO NOT INDUCE VOMITING. Seek immediate medical attention.
5.	Avoid contact with skin and eyes. Wear suitable protective coating such as overalls, goggles, dust masks and gloves. Use a barrier cream.	
	Eyes	: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
	Skin	: Wash skin thoroughly with soap and water or approved industrial cleaner. DO NOT USE solvent or thinners.
6.	Care must be taken when transporting paint. Keep container in a secure upright position.	
7.	Do not empty into drains or watercourses. Dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.	

Note: A Chemical Safety Data Sheet (CSDS) is available upon request.

NOTE:

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the accuracy of our information or the suitability of our products in any given condition.

We reserve the right to alter the given data without notice.