

## FEATURES

Nippon Paint Micaceous Iron Oxide is an alkyd-based coating pigmented with micaceous iron oxide. It is recommended for use as a protective coating on steel structures from oxygen and humidity. It also provides a stunning metallic matt color film suitable for various steel structures such as fences, windows, handrails, furniture. It may be over coated with alkyd based finish or left uncoated.

- Excellent weathering resistance
- Fast dry
- Suitable for changing roof colour
- Available on Colour Creation Pro Series (CCPRO)

## PRODUCT INFORMATION

Paint type	Alkyd resin
Product type	Interior & Exterior
Film appearance	Metallic Matt
Color	Standard colours as per colour cards
Grade	Heavy Duty Coatings
Recommended substrate	Steel and wood
Pack size	1 Gallon

## TECHNICAL INFORMATION

Theoretical coverage	7-8	m <sup>2</sup> per litre per coat
	26-31	m <sup>2</sup> per gallon per coat
Practical coverage	5-7	m <sup>2</sup> per litre per coat
	21-25	m <sup>2</sup> per gallon per coat
These values are calculated based on the above theoretical coverage and a loss factor of 20%. The actual loss factor for a particular job may vary depending on the application condition, method and technique; surface condition; as well as the structure and dimension of the object to be coated.		
No. of coat	2	coats
Specific gravity	1.50-1.70	(Depending on colour shade)
Solid by volume	51 ± 2	%
Wet film thickness	98-118	microns
Dry film thickness	50-60	microns
Touch dry (25-30°C)	Approx. 1	hr.
Recoat dry (25-30°C)	Min. 16	hrs.
Full cure (25-30°C)	7	Days

## REFERENCE STANDARD

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## APPLICATION

Applicator	Brush, Roller, Spray and Airless spray
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**Guiding data for airless spray**

Tip size	0.015-0.017	inch
Delivery pressure	140-170	Bar
Diluted by	Nippon Alkyd Thinner or Hi-Thinner #01	
Dilution (%)	Normally no thinning is required or thinning not more than 5% If application is by airless spray. Where thinning is necessary for workability, use about 5-10% thinner by volume for application by brush and roller, 40-50% for application by compressed air spray.	

## SURFACE PREPARATION

Metal	<p>All surfaces should be clean dry, and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. Oil or grease should be removed in accordance with SSPC-SP1 solvent</p> <p><u>Abrasive Blast Cleaning</u> Abrasive blast cleaning to Sa 2½ (ISO 8501-1) or SSPC-SP10. For optimum performance, blast cleaned to SSPC-SP10 with a surface profile of 50 – 75 microns (2 – 3 mils). Surface defect revealed by the blast cleaning process should be ground, filled or treated in the appropriate manner.</p> <p><u>Hand or Power Tool Preparation</u> Hand or power tool clean to a minimum St2 (ISO 8501-1) or SSPC-SP2. Note, all scale must be removed and areas which cannot be prepared adequately by chipping or needle gun should be spot blasted to a minimum standard of Sa 2 (ISO 8501-1) or SSPC-SP6.</p>
Wood	<p>Wood must be dry and free from dirt, grease and other contaminants. Smoothen surface with sand paper, then clean off and dry.</p>

## PAINT SYSTEM

Primer for metal surface	Hi-Pon 20 Epoxy Primer or Hi-Pon Epoxy ZP Primer 1-2 coats for blasted metal surface. Hi-Pon 20-04 STE 80 1-2 coats for blasted and non-blasted metal surface.
Primer for Alloys surface	Hi-Pon 20-04 STE 80 1-2 coats
Primer for Wood	Apply Nippon Paint Bodelac Undercoat White for preventing fungi and prime scrap spot areas of wood.
Top coat	Nippon Paint Micaceous Iron Oxide 2 coats Note: In case of vivid and intense color shade, a lighter shade is recommended to apply in the first coat for a good hiding result.

## HANDLING AND STORAGE

Storage condition	The product must be stored in a dry, well-ventilated space and keep the container tightly closed. When transporting paint, the product should separately from others. Not recommended to place the product outdoor or exposed to the sun directly and must separately be stored between enamel paint and thinner, which is a flammable substance.
Precipitation	Place the product for a long time may lead the pigment to precipitate at the bottom of the container and can deteriorate over time when not stir product to a homogeneous by using suitable tools, such as an electric drill, air drill, or a stirrer. Therefore, should stir the product to the homogeneous phase before use. If not, the product will cause paint problems e.g. low hiding power or non-equal color shade.
Shelf life at 25-30 °C	24 months

## ENVIRONMENTAL CONDITION

The relative humidity during application should not exceed 85% or when the surface to be painted is more than 3°C above the dew point. Generally, the temperature of surface to be painted should be more than 5 °C and not exceed 50°C.



## SAFETY PRECAUTIONS

Precautionary notices are displayed on the container. Use product under well-ventilated area. Avoiding skin contact or inhale product. In case of contact with the eye, rinse with plenty of water immediately and seek medical advice. Remove splashes from the skin by using soap or water. For others information in terms of health and safety hazards for use of this product, please observe the Safety Data Sheet.

## DISCLAIMER

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 quality of the product itself.

**We reserve the right to alter the given without prior notice.**

## NOTE

The data are average values for reference only. However, the actual value depends on environmental conditions.