

PRODUCT DATA SHEET

NIPPON 9000 ALUMINIUM PAINT

Product Description:

NIPPON 9000 ALUMINIUM PAINT is a single component solvent-borne Phenolic resin based paint with high lustre, excellent durability and long term anti-corrosive protective property. It is a coating for all kind of primed metal & wooden surfaces, both internal and external use.

Physical Characteristics of Paint:

Colour	: Aluminium
Finish	: Metallic aluminium lustre
Specific Gravity	: 0.96 ± 0.05
Solid Content	: 35 ± 2 by volume

Performance Characteristics:

- Excellent anti-corrosive property
- Excellent water resistance
- Heat-insulating property
- Weather and fungus resistant
- Tough and durable properties

Recommendation for Use:

Surface Preparation

The surface to be painted must be dry, clean and free from dirt, grease, oil and other contaminations. Method of surface preparation depends on the type of substrate and the condition under which it will operate.

Ferrous Metal - Prime with Nippon NIPPON METAL RED OXIDE PRIMER or NIPPON 1100 FAST DRYING PRIMER for better result.

Non-Ferrous Metal - Prime with NIPPON VINILEX 120 ACTIVE PRIMER

Wood and Timber - Prime with NIPPON 9000 ALUMINIUM WOOD PRIMER

Recommended No. of Coats	: 1 - 2 coats
Recommended Film Thickness per coat	: 25 microns for dry film 71 microns for wet film
Theoretical Coverage at Recommended Film Thickness	: $14.1 \text{ m}^2 / \text{liter}$ (for dry film thickness of 25 microns)

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

Practical Coverage (20% Loss Factor)	: $11.3 \text{ m}^2 / \text{liter}$ (for dry film thickness of 25 microns)
---	--

NIPPON 9000 ALUMINIUM PAINT

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 and air spray
Guiding Data for Spray	:	<u>Air</u>
		Delivery Pressure (kg/cm ²) 3 - 4
		Tip size at 60° angle 1.3 mm
Thinning	:	Roller & Brush 10% maximum
		Air Spray 20% maximum

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 24 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.

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.

NIPPON 9000 ALUMINIUM PAINT

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.*