NIPPON PAINT

TECHNICAL DATA SHEET

9000 GLOSS FINISH

Updated Feb'20

9000 Gloss Finish is an oil-modified alkyd enamel paint. It is easy to apply and forms a smooth, tough paint film which has excellent gloss, fungus resistance and durability. Approved by SIRIM to Malaysian Standard MS 125 : 1995

Product Features:

- Good durability
- Fungus resistance
- Excellent gloss

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Solvent based	Interior & Exterior	High Gloss	Wood and Metal	1 Litre, 5 Litres, 15 Litres

Composition

Pigment	: Mainly Titanium Dioxide, Iron Oxides, Carbon Black, Organic Pigments
Binder	: Soya Bean Oil modified Long Oil Alkyd
Thinner	: White Spirit

Technical Data

Drying Time	: Touch Dry : 2 hours : Hard Dry : 8 hours *Drying time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with **Nippon General Purpose Thinner.***
Recoating Time	: 8 hours *Recoating time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with **Nippon General Purpose Thinner.***

**Important Note:*
Drying Time and recoating time are strongly depending on environment ventilation, paint thickness, environment temperature, environment humidity, number of coats applied, thinner used to dilute product and recoat materials. So drying time and recoating time provided is for guide only.

Dry Film Thickness	: 30 - 35 µm per coat (based on substrate condition)
No. of Coats	: 2 coats
Theoretical Coverage	: 9 - 11 m^2 per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
Volume Solid	: ~ 58%
Shelf Life	: Up to 36 months in tight sealed container

Application Method

Brush / Roller	: The paint is ready for use after thorough stirring. Dilute the paint with 5% - 10% of Nippon General Purpose Thinner, if necessary. Recommend to use Nippon Synthetic Brush or Nippon WB 4 Inch Roller for application.
Conventional Air Spray	: Dilute the paint with 15% of General Purpose Thinner.
Airless Spray	: The paint is ready for use after thorough stirring.

Recommended Coating System

Wood

Sealer / Primer	: 9000 Aluminium Wood Primer	: 1 coat
Undercoat	: 9000 Undercoat / Economy Undercoat	: 1 coat
Top Coat	: 9000 Gloss Finish	: 2 coats

Steel / Iron

Sealer / Primer	: Red Oxide Primer / Zinc Phosphate Primer	: 1 coat
Undercoat	: 9000 Undercoat / Economy Undercoat	: 1 coat
Top Coat	: 9000 Gloss Finish	: 2 coats

Aluminium / Galvanized Iron

Etching Primer	: Etching Primer 120 / Galvaprimer	: 1 coat
Sealer / Primer	: Red Oxide Primer / Zinc Phosphate Primer	: 1 coat
Undercoat	: 9000 Undercoat / Economy Undercoat	: 1 coat
Top Coat	: 9000 Gloss Finish	: 2 coats

Surface Preparation

Wood

Surface must be dry and free from dirt, grease and other contaminants. Smoothen surface with sandpaper and then clean off and dry. The scraped areas should be spot-primed using an undercoat for wood surfaces.

Metal

Surface must be dry and free from dirt, grease and other contaminants. Ferrous substrate should be sanded or wire-brushed to remove millscales and rust. Clean off dust and dry. The scraped areas should be spot-primed using a primer for metal.

Cleaning

Clean up equipment with thinner immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{Volume\ Solid\ \%\ x\ 10}{Dry\ Film\ Thickness}\right] = m^2/lit/coat$$

and does not consider LOSS FACTORS.
Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

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.