

9000 UNDERCOAT
Updated Aug'20


9000 Undercoat is an acrylic copolymer-based undercoat with non-added lead and mercury and gives good build. It provides a sound foundation for 9000 Gloss Finish and Q-Lac Gloss Finish. Approved by SIRIM to Malaysian Standard MS 132:1993.

Product Features:

- Fast Dry
- Good levelling and sand-ability
- Good build
- To be used on primed metal, woodwork and previously painted surfaces (ideally paired with 9000 Gloss Finish or Q-Lac Gloss Finish)

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Solvent based	Interior & Exterior	Matt	Wood and Metal	1 Litre, 5 Litres, 20 Litres

Composition

Pigment	: Titanium Dioxide and Mineral Extenders
Binder	: Acrylic Copolymer
Thinner	: Combination of ester, ketone and hydrocarbon

Technical Data

Drying Time	: Touch Dry : 30 minutes : Hard Dry : 1 hour <i>Drying time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Nippon General Purpose Thinner.</i>
Recoating Time	: 2 hours <i>Recoating time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Nippon General Purpose Thinner.</i>

***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	: Around 30-35 µm per coat (based on substrate condition)
No. of Coats	: 1 coat
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	: ~ 50%
Shelf Life	: Up to 12 months in tight sealed container

Application Method

Brush / Roller	: The paint is ready for use after thorough stirring. If necessary, thin down with 5% of General Purpose Thinner.
Conventional Air Spray	: Dilute the paint with 5% - 10% of General Purpose Thinner.
Airless Spray	: The coating is ready for use after thorough stirring.

Recommended Coating System
Wood

Sealer / Primer	: 9000 Aluminium Wood Primer*	: 1 Coat
Undercoat	: 9000 Undercoat	: 1 Coat
Top Coat	: 9000 Gloss Finish / Q-Lac Gloss Finish	: 2 Coats

Steel / Iron

Sealer / Primer	: Red Oxide Primer* / Zinc Phosphate Primer*	: 1 – 2 Coats
Undercoat	: 9000 Undercoat	: 1 Coat
Top Coat	: 9000 Gloss Finish / Q-Lac Gloss Finish	: 2 Coats

Aluminium / Galvanized Iron

Etching Primer	: Etching Primer 120 / Galvaprimer	: 1 coat
Sealer / Primer	: Red Oxide Primer* / Zinc Phosphate Primer*	: 1 – 2 Coats
Undercoat	: 9000 Undercoat	: 1 Coat
Top Coat	: 9000 Gloss Finish / Q-Lac Gloss Finish	: 2 Coats

****allow to dry at least 24 hours before applying 9000 Undercoat***

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 millscapes 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

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

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.