

HYDRO FINISH
Updated July'25


Hydro FINISH is an environmentally friendly green product with low VOC (Volatile Organic Compound) for interior use. It is formulated with a solvent-free resin to limit air pollutants and has an extremely low odour during application and drying. Being a green product, it is ideal for use in eco-sensitive commercial and residential areas such as hospitals, schools, residential buildings and hotels. It is easy to apply and forms a tough paint film with durability and smooth finishing.

Hydro-Finish special formulated with Dry film Anti-bacterial property which protects the environment from bacteria such as MRSA, E-Coli and Staphylococcus Aureus.

Product Features:

- Environmental-friendly green paint for wood and metal substrate
- Low VOC
- Easy application
- Fungus resistance
- Excellent coverage and hiding power

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Interior	High Gloss / Soft Matt	Wood and Metal	1 Litre, 5 Litres

Composition

Pigment	: Mainly Titanium Dioxide, Iron Oxide, Carbon Black, Organic Pigments
Binder	: Ambient Cross-linking Acrylic Polymer
Thinner	: Water

Technical Data

Drying Time	: Touch Dry : 30 minutes : Hard Dry : 1 hour Drying time above is based on temperature 28 – 32 °C, humidity 70 – 80%
Recoating Time	: 2 – 3 hours (minimum) Recoating time above is based on temperature 28 – 32 °C, humidity 70 – 80%
*Important Note: Drying Time and recoating time are strongly depending on environment ventilation, paint thickness, environment temperature, environment humidity, number of coats applied. So drying time and recoating time provided is for guide only.	
Dry Film Thickness	: 30 – 40 µm per coat (based on substrate condition)
No. of Coats	: 2 – 3 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	: ~ 40%
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% of Water, if necessary. Recommend to use Nippon Paint Synthetic Brush or Nippon WB 4 Inch Roller for application.
Conventional Air Spray	: Dilute the paint with 5% - 10% of water if necessary

Recommended Coating System
Wood, Steel and Iron

Sealer / Primer	: Hydro Wood & Metal Primer	: 1 Coat
Top Coat	: Hydro Finish (Gloss / Soft Matt)	: 2 – 3 Coats

This Technical Data Sheet (TDS) replaces all earlier versions.

For details or to find your nearest Nippon Paint office, visit nipponpaint.com.my.

Aluminium and Galvanized Iron

Etching Primer	: Etching Primer 120	: 1 coat
Sealer / Primer	: Hydro Wood & Metal Primer	: 1 Coat
Top Coat	: Hydro Finish (Gloss / Soft Matt)	: 2 – 3 Coats

Surface Preparation
Wood

Wood must be dry and free from dirt, grease and other contaminants. Smoothen surface with sand paper, then clean off and dry.

Metal

Surface must be dry and free from dirt, grease and other contaminants. Ferrous substrate should be sanded or wire-brushed to remove mill scales and rust. Clean off dust and dry.

Scrap off any loose and flaking paint film. Sand and smoothen defective areas. The entire surface must be dry and free from dirt, grease and other contaminants. For the case of ferrous substrates, remove rust thoroughly. The scraped areas should be spot-primed. Light sanding on surface would ensure better subsequent intercoat adhesion.

Cleaning

Clean up equipment with water immediately after use.

Certificates

Complies to Singapore Green Label and SIRIM Eco-Label

Certified by: Singapore Environment Council (SEC) and SIRIM QAS

Tests

1. **ASTM D5116** on TVOC Test
2. **JIS Z2801:2000** on Antibacterial Activity and Efficacy Test (E. coli, MRSA and Staphylococcus Aureus)
3. **SS5: Part F5:2003 (2013)** on Wet Scrub Resistance
4. **ASTM D 3359** on Standard Test Methods for Measuring Adhesion by Tape Test, tested in-house
5. **ASTM D 3363** on Standard Test Methods for Film Hardness by Pencil Test, tested in-house
6. **SGLS Category 032** on Singapore Green Label
7. **ECO 019:2012** on SIRIM ECO Label

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

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

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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.

Disclaimer

The information contained in this document is provided to the best of Nippon Paint's knowledge, based on laboratory testing and practical experience. As our products are considered semi-finished goods, their performance may be influenced by conditions beyond Nippon Paint's control. As such, we can only guarantee the quality of the product itself. Minor variations may be introduced to comply with local regulations. Nippon Paint reserves the right to modify the information in this document without prior notice.

Users are encouraged to consult Nippon Paint for specific guidance on the suitability of this product for their intended use and application method.

In case of discrepancies between language versions, the English (United Kingdom) version shall prevail.