



## **NIPPON HYDRO-MATT**

*Soft Matt Waterbase Paint For Wood & Metal*

### **Product Description:**

NIPPON HYDRO-Matt is an environmentally favourable green product formulated with low VOCs (Volatile Organic Compound) for interior use. It is specially 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 especially 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 which has smooth finishing, fungus resistance and durable.

### **Recommended Uses:**

Premium green coating for decoration and protection of new and repainting of wood and metal surfaces.

For better finishing, it is advisable to apply using **roller application follow by trim with brush.**

### **Product Features :**

- Environmentally friendly green paint for wood and metal substrate
- Low VOCs (containing < 25g/L VOC, meeting the VOC requirements of the eco-standards specified by the Singapore Green Labelling Scheme)
- Extremely low odour during application and drying
- Ammonia-free
- Non-toxic, does not contain lead, mercury and heavy metals
- Anti fungus property
- Long lasting colours
- Resists fading and chalking
- Easy application
- Fast drying for convenient recoating
- Less splattering
- Excellent coverage and hiding power
- Excellent adhesion
- Excellent colour durability

**Composition:**

**Pigments** : Mainly Titanium Dioxide, Iron Oxide, Carbon Black and Organic Pigments and Mineral Extender  
**Binder** : Modified Acrylic Polymer Emulsion  
**Thinner** : Water

**Properties:**

**Colour** : A wide range of colours. Please refer to colour card.  
**Appearance** : Soft Mat finish

**Recommended no. of coats** : 2-3 coats

**Recommended Dry Film Thickness Per Coat** : 30 - 40 µm

**Dilution** : The paint is ready for use after thorough stirring. If necessary, dilute with maximum 5% water.

**Drying Time**  
Touch Dry : Minimum 30 minutes at 30°C

**Recoating Interval** : 2-3 hours minimum based on normal condition

**Theoretical Coverage at Recommended Dry Film Thickness** : 10 m<sup>2</sup> per litre per coat (35 micron DFT)  
(Actual coverage is dependent on substrate condition.) \*

**Application Methods:**

**1) Brush / Roller** : By brush or roller  
For better finishing, it is advisable to apply using roller application follow by trim with brush

**Clean Up** : Clean up equipment with water immediately after use.

**Surface Preparation:**

**WOOD**

Wood must be dry and free from dirt, grease and other contaminants. Smoothen surface with sandpaper and 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 millscalls and rust. Clean off dust and dry.

**Previously Painted Surfaces**

Any loose and flaking paint film must be scrapped off. Defective areas should be sanded and smoothened. The entire surface must finally be dry and clean of dirt, grease and other contaminants. Make good any surface defects, clean off and dry. In the case of ferrous substrates, rust should be thoroughly removed. The scraped areas should be spot-primed using NIPPON HYDROPRIME for metal and wood surfaces.

<b><u>Recommended Paint System</u></b>		
<b><u>Type of Substrate:</u></b>		
FOR WOOD		
<b>Sequence</b>	<b>Product Name</b>	<b>No. of Coats</b>
Undercoat	NIPPON HYDRO-PRIMER	1
Finish	NIPPON HYDRO-MATT	2-3
FOR STEEL AND IRON		
<b>Sequence</b>	<b>Product Name</b>	<b>No. of Coats</b>
Primer	NIPPON HYDRO-PRIMER	1
Finish	NIPPON HYDRO- MATT	2-3
FOR ALUMINIUM AND GALVANIZED IRON		
<b>Sequence</b>	<b>Product Name</b>	<b>No. of Coats</b>
Etching Primer	NIPPON ETCHING PRIMER 120	1
Primer	NIPPON HYDRO-PRIMER	1
Finish	NIPPON HYDRO- MATT	2-3

<b>Standard Packing</b> : 1 and 5 litres
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<p><b><u>Safety, Health and Environmental Information:</u></b></p> <p>Keep container tightly closed and keep out of reach of 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 off any paint waste in accordance with the appropriate Environmental Quality Regulations.</p>
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**Note:**

\* Theoretical Coverage is based on a mathematical formula

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

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 data without prior notice.