NIPPON HYDRO-PRIMER

Waterbased Wood & Metal Undercoat & Primer

Product Description:

NIPPON HYDRO-PRIMER is an environmentally water-based favourable green product formulated to use as undercoat and primer for wood and metal substrate. This new breakthrough formulation contains low level of Volatile Organic Compound (VOC). Therefore you will experience better comfort during and after painting.

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 promotes better adhesion and build for both wood and metal substrate. This primer can be easily sanded to a smooth finish if required. Use it with NIPPON HYDRO-GLOSS for a high gloss finishing or NIPPON HYDRO-MATT for a soft matt finishing experience.

Recommended Uses:

Water-based NIPPON HYDRO-PRIMER with good opacity and good adhesion that does the work of both a primer and an undercoat. For protection of **metal** and **wood** work prior to painting Nippon Hydro-gloss or Nippon Hydro-matt.

Composition:

Pigments	:	Titanium Dioxide and Mineral Extender
Binder	:	Alkyd / Acrylic Emulsion
Thinner	:	Water

Properties:

Colour	:	White
Appearance	:	Sheen
Recommended no. of coats	:	1 coat
Recommended Dry Film Thickness Per Coat	:	30 – 40 µm
Drying Time		
Touch Dry	:	30 minutes (dependent on temperature and humidity)
Hard Dry	:	1 hour (dependent on temperature and humidity)
Recoating Interval	:	Minimum 2-3 hours
Theoretical Coverage at Recommended Dry Film Thickness	:	11m² per litre per coat (Actual coverage is dependent on substrate condition.) *

Application Methods:

1) Brush / Roller	:	This paint is ready for use after thorough stirring. If thinning is necessary, not more than 5% water may be added. To sand of a smooth surface is required.
Clean Up	:	Clean up equipment with water immediately after use.

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.

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.

Previously Painted Surfaces

Any loose and flaking paint film must be scraped off. Defective areas should be sanded and smoothen; rust must be thoroughly removed from ferrous substrate. The area should be spot primed.

Light sanding on surface would ensure better subsequent intercoat adhesion.

The entire surface to be painted must be cleaned thoroughly and dry, it must be free from dirt, grease, and other foreign matters. Allow all surfaces to dry completely prior to painting.

Recommended Paint System

Type of Substrate:

FOR WOOD

Sequence	Product Name	No. of Coats	Remarks
Undercoat	NIPPON HYDRO-PRIMER	1	
Finish	NIPPON HYDRO-GLOSS / NIPPON HYDRO-MATT	2-3	

FOR METAL

Sequence	Product Name	No. of Coats	Remarks
Primer and Undercoat	NIPPON HYDRO-PRIMER	1	
Finish	NIPPON HYDRO-GLOSS / NIPPON HYDRO-MATT	2-3	

Standard Packing	:	1 liter and 5 liters

Safety, Health and Environmental Information:

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.

Note:

* Theoretical Coverage is based on a mathematical formula

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

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 data without prior notice.