

FEATURES

Hydro-Primer is an environmental friendly water-based green product formulated to use as undercoat and primer for wood and metal substrates. This new breakthrough formulation contains low level of VOC (Volatile Organic Compound), therefore providing better comfort during and after painting. 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 promotes better adhesion for both wood and metal substrates. This primer can be easily sanded for a smooth finishing.

- Excellent rust protection
- Good adhesion to wood and steel surfaces.
- Excellent adhesion to a wide range of water-based paint products.
- Easy to use.
- Low VOCs

PRODUCT INFORMATION

Paint type	Water based
Product type	Exterior and Interior
Film appearance	Matt
Color	White
Grade	Ultra-premium
Recommended substrate	Wood and metal
Pack size	1 Litre and 5 Litres

TECHNICAL INFORMATION

Theoretical coverage	10	m ² per litre per coat (at dry film thickness 40 micron)
Practical coverage	7	m ² per litre per coat (at dry film thickness 40 micron)
These values are calculated based on the above theoretical coverage and a loss factor of 30% The actual loss factor for a particular job may vary depending on the application condition, method and technique; surface condition; as well as the structure and dimension of the object to be coated.		
No. of coat	1-2	coats
Solid by volume	36-40	%
VOC	< 1	g/L
Dry film thickness	40-50	microns
Touch dry (25-30°C)	30	mins
Recoat dry (25-30°C)	40	hrs.
Full cure (25-30°C)	7	Days

REFERENCE STANDARD

SCAQMD Rule 1113	✓	Passed
CARB SCM 2007	✓	Passed
LEED v4 & v4.1 VOC	✓	Passed
LEED v4 & v4.1 Emissions	✓	Passed
WELL v2	✓	Passed
TREES	✓	Passed
Nippon Paint Green Choice	✓	Passed

APPLICATION

Applicator	Brush, Roller
Diluted by	Water
Dilution (%)	Dilute the paint with not more than 5% of water. Preferable not dilute for best performance.

SURFACE PREPARATION

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

PAINT SYSTEM

Primer	Nippon Paint Hydro Wood & Metal Primer 1-2 coat
Top coat	Nippon Paint Hydro 2-3 coats
	Note: In case of vivid and intense color shade, a lighter shade is recommended to apply in the first coat for a good hiding result.

HANDLING AND STORAGE

Storage condition	The product must be stored in a dry, well-ventilated space and keep the container tightly closed. When transporting paint, the product should separately from others. Not recommended to place the product outdoor or exposed to the sun directly and must separately be stored between enamel paint and thinner, which is a flammable substance.
Precipitation	Place the product for a long time may lead the pigment to precipitate at the bottom of the container and can deteriorate over time when not stir product to a homogeneous by using suitable tools, such as an electric drill, air drill, or a stirrer. Therefore, should stir the product to the homogeneous phase before use. If not, the product will cause paint problems e.g. low hiding power or non-equal color shade.
Shelf life	3 years at 30-35 °C

SAFETY PRECAUTIONS

Precautionary notices are displayed on the container. Use product under well-ventilated area. Avoiding skin contact or inhale product. In case of contact with the eye, rinse with plenty of water immediately and seek medical advice. Remove splashes from the skin by using soap or water. For others information in terms of health and safety hazards for use of this product, please observe the Safety Data Sheet.

DISCLAIMER

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.

NOTE

The data are average values for reference only. However, the actual value depends on environmental conditions.