

**FEATURES**

Hydro is a high-quality modified acrylic and 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.

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

**PRODUCT INFORMATION**

Paint type	Water based
Product type	Interior
Film appearance	High Gloss/ Semi-gloss
Color	Standard colors as per catalog
Grade	Ultra-premium
Recommended substrate	Wood, masonry, plastering, concrete and metal
Pack size	1 Litre and 5 Litres

**TECHNICAL INFORMATION**

Theoretical coverage	13	$m^2$ per litre per coat (at dry film thickness 30 micron)
	10	$m^2$ per litre per coat (at dry film thickness 40 micron)
Practical coverage	9	$m^2$ per litre per coat (at dry film thickness 30 micron)
	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	2-3	coats
Solid by volume	38-42	%
VOC	< 1	g/L
Wet film thickness	70-80	microns
Dry film thickness	35-40	microns
Touch dry (25-30°C)	30	mins
Recoat dry (25-30°C)	2-3	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.
Masonry / plastering / concrete	Remove all loose, defective paint or powdery residues, laitance, loose chalk, dust, fungus, algae and foreign matter. Treat any areas affected by fungus growth with Fungicidal Wash Solution. Repair cracks, uneven surfaces with suitable exterior grade fillers. Smoothen the filler areas with sand paper. Surfaces 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. Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 14% measured by protimeter and alkalinity of the walls to be below pH8.)
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 Primer 1 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	5 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.