

FEATURES

Nippon Paint Hydro All In 1 is an ultra-premium 2-in-1 water-based paint that combines both primer and topcoat in one. Formulated with a 100% nano acrylic binder, it offers outstanding weather resistance and excellent adhesion to various surfaces. Its long-lasting performance makes it up to five times more durable than conventional alkyd paints. Enriched with Inhibitive Rust Defender, it provides superior rust protection, making it ideal for metal and steel applications. Low odor, ultra-low VOCs, and free from lead and mercury, ensuring a safer and more user-friendly alternative to traditional solvent-based coatings.

- Excellent adhesion to metal, masonry, wood, and plastic surfaces
- Long-lasting rust prevention with Inhibitive Rust Defender
- Time-saving with reduced application steps
- All-weather durability
- Fast drying with recoatable time within 45 minutes
- Low odor and free from lead and mercury

PRODUCT INFORMATION

Paint type	100% Nano Acrylic Emulsion
Product type	Exterior & Interior
Film appearance	Gloss
Color	Available in a wide range of shades from catalog
Grade	Ultra-premium
Recommended substrate	Steel, stainless steel, galvanized steel, black steel, aluminum, concrete, natural wood, synthetic wood, PVC pipes, uPVC doors and frames, terracotta and ceramic tiles, glass
Pack size	1 gallon

TECHNICAL INFORMATION

Theoretical coverage	30-35	m ² per gallon per coat
No. of coat	2	coats
Specific gravity	1.20	(Depend on colour shade)
Solid by volume	40 ± 2	%
Solid by weight	49 ± 2	%
Wet film thickness	100-110	microns
Dry film thickness	30-35	microns
Touch dry (25-30°C)	15 – 20	mins
Recoat dry (25-30°C)	45 – 60	mins
Full cure (25-30°C)	7	days

REFERENCE STANDARD

TIS 2514-2564 (Solar heat reductive emulsion paint)	✓	Pass
TIS 2321-2564 (Weather-resistant emulsion paints)	✓	Pass
TIS 272-2564 (Emulsion paints for general purposes)	✓	Pass
TIS 1123-2555 (Plaster primer)	✓	Pass
THAI GREEN LABEL TGL-4-R4-14	✓	Pass
SCAQMD Rule 1113	✓	Pass
CARB SCM 2007	✓	Pass
LEED v4 & v4.1 VOC	✓	Pass
LEED v4 & v4.1 Emissions	✓	Pass
TREES	✓	Pass

APPLICATION

Applicator	Brush, Roller, or Air spray,
Diluted by	Clean water
Dilution (%)	No dilution for metal surfaces up to 10% water for other surfaces

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. Recommended primer for rusty metal: Rust Stopper: Hi-Pon 20-04 STE 80 for 1 coat.
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.) Recommended primer for skim coat or old concrete: Nippon Paint Aqua Sealer for 1 coat
Wood	Wood must be dry and free from dirt, grease and other contaminants. Smoothen surface with sand paper, then clean off and dry. Recommended wood primer: Nippon Paint Hydro All In 1 # RAL9022 Silver Bronze for 1 coat or Nippon Paint Bodelac Aluminium Wood Primer for 1 coat
Other surface	Clean the surface and prepare appropriately depending on material type.

PAINT SYSTEM

Top coat	Apply Nippon Paint Hydro All in 1 for 2 coats
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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 (at 25-30 °C)	36 months

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.