

FEATURES

HybridShield is 100% Acrylic Emulsion paint with small molecule that help to prevent dirt pick-up on wall. This premium exterior emulsion is formulated to provide performance of excellent washability and excellent resistant to alkali, efflorescence, dirt, fungus and algae with non- added lead and mercury.

- Durable against weather
- Prevent dirt pick-up on wall
- Excellent washability
- Excellent hiding powder
- Excellent alkali and efflorescence resistance
- Resistance against fungus and algae
- Low odor and non-added lead or mercury

PRODUCT INFORMATION

Paint type	100% Acrylic Emulsion Paint
Product type	Exterior and Interior
Film appearance	Semi Gloss
Colour	Various colors (see in colorcards & NIPPON PAINT fandeck)
Grade	Premium
Recommended substrate	Masonry, plastering, concrete, brick, fiber cement board, etc.
Pack size	1 Gallon, 2.5 Gallon and 5 Gallon

TECHNICAL INFORMATION

Theoretical coverage	35-40	m ² per gallon per coat
	(Actual coverage is dependent on substrate condition and application method)	
No. of coat	2-3	coats
Solid by volume	30-34	%
Solid by weight	46-50	%
VOC	< 11	g/L
Wet film thickness	100-110	microns
Dry film thickness	35-40	microns
Touch dry (25-30°C)	30	minutes
Recoat dry (25-30°C)	2	hours
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
THAI GREEN LABEL TGL-4-R4-14	✓	Pass
MiT (Made in Thailand)	✓	Pass
Carbon Footprint Label (CFP)	✓	Pass
Energy Saving Label No.5	✓	Pass
SCAQMD Rule 1113	✓	Pass
CARB SCM 2007	✓	Pass

LEED v4 & v4.1 VOC	✓	Pass
LEED v4 & v4.1 Emissions		n/a
TREES	✓	Pass
Nippon Paint Green Choice	✓	Pass

APPLICATION

Application Method	Brush, Roller or Spray
Diluted by	Clean water
Dilution (%)	Dilute the paint with 5% by volume and mix thoroughly.

SURFACE PREPARATION

Old Surface	<p>Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. (avoid wire brush)</p> <p>Repair cracks, uneven surfaces with Nippon Paint Vinilex Wall Putty or Nippon Paint Acrylic Sealant. Treat any areas affected by fungus growth by scrubbing and allowing the surface to dry completely before painting then apply with Nippon Paint Vinilex Bio Wash 1 coat and leave it until dry.</p>
New Surface	<p>Ensure that the surface is clean and dry it must be free from dirt, greases and other foreign matters. Allow all surfaces to dry completely prior to painting. (At least 28 days)</p> <p>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, below 6% by Kett model HI-520 and alkalinity of the walls to be below pH 8.)</p> <p>Repair cracks and uneven surfaces with high-quality materials or decorate the surface appropriately before applying the paint.</p>

PAINT SYSTEM

Old Wall / Skim Coat Primer	Nippon Excel Primer (solvent based) 1 coat or Nippon Paint Aqua Sealer (water based) 1 coat
New Wall Primer	Nippon Paint HybridShield Wall Sealer 1 coat.
Top Coat	Nippon Paint HybridShield 2-3 coats.
	**For deep tone, recommend applying the first coat with a lighter tone for good hiding performance.

HANDLING AND STORAGE

Storage condition	<p>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.</p>
Precipitation	<p>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.</p>
Shelf life	5 years at 30-35 °C

SAFETY PRECAUTIONS

Precautionary notices are displayed on the container. Use product under well-ventilated area. During use, the product must keep away from the source of ignition and no smoking. 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.