

## FEATURES

Weatherbond is 100% pure acrylic paint, ultra-premium grade, delivering long-lasting durability and beauty. Developed with advanced WEATHERBOND technology from Japan, it features a specially engineered high-density acrylic binder that enhances adhesion and strengthens the paint film. Designed to withstand all weather conditions, it effectively prevents fading and peeling while offering superior resistance to efflorescence and alkaline stains. This ensures a vibrant, fresh-looking finish that stays like new over time.

- Excellent resistance to peeling for long-lasting performance
- Excellent UV reflection, reflects up to 99.5% of sunlight and releases over 90% of heat (some color shade)
- Reduces indoor temperature by up to 7°C, saving up to 36.8% in energy costs
- Hairline crack bridging, preventing water and moisture penetration into the wall
- Excellent washability and scrub resistance, withstanding over 500,000 cycles.
- Tough resistance against alkali and efflorescence
- Tough resistance against fungus and algae
- Low odor, low VOC and non-added lead or mercury

## PRODUCT INFORMATION

Paint type	100% Acrylic Emulsion Paint
Product type	Exterior and Interior
Film appearance	Sheen
Colour	Various colors (see in colorcards & NIPPON PAINT fandeck)
Grade	Ultra 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 <sup>2</sup> per gallon per coat
	(Actual coverage is dependent on substrate condition and application method)	
No. of coat	2 - 3	coats
Solid by volume	38 - 40	%
Solid by weight	52 - 56	%
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

EPD International	✓	Pass
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
	Carbon Reduction Label (CFR)	✓	Pass
	Energy Saving Label No.5	✓	Pass
	LEED v4 & v4.1 VOC Content	✓	Pass
	SCAQMD Rule 1113	✓	Pass
	CARB SCM 2007	✓	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 Wall Filler.</p> <p>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.</p> <p>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

Skim Coat / Deteriorated Old Wall Primer	Nippon Excel Primer (solvent based) 1 coat or Nippon Paint Aqua Sealer (water based) 1 coat
New Wall Primer	Nippon Paint 5100 Wall Sealer 1 coat.
High Flexibility Wall Primer	Nippon Paint Flexiseal 1 coat.
Fresh Cement Wall Primer	Nippon Paint Quick Sealer 1 coat.
Top Coat	Nippon Paint Weatherbond 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.</p> <p>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>
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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
<b>SAFETY PRECAUTIONS</b>	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.
<b>DISCLAIMER</b>	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.
<b>NOTE</b>	The data are average values for reference only. However, the actual value depends on environmental conditions.