

General Description

Nippon Paint weatherbond is a high performance water-based acrylic paint that gives a tough finish. With properties of excellent water resistance, alkali resistance, weathering resistance, dirt resistance, fungus & algae resistance and anti-carbonation property, providing idea performances and protections for exteriors. It is also certified with “PCCS-PP Under the Category of Multi-Layer Acrylic Paint”.

Features

- Good adhesion
- Easy application
- Excellent water resistance
- Excellent alkali resistance
- Excellent weathering resistance
- Excellent dirt resistance
- Excellent fungus and algae resistance
- Anti-carbonation

Recommended For

- Exterior masonry surfaces
- Hotels
 - Schools
 - Residential buildings
 - Commercial buildings
 - Industrial buildings

Certification(s)



Certified under Product Conformity Certification Scheme for Paint Product (Multi-layer Acrylic Paint)
Certificate no.: P0057

General Information

Colour:	Nippon Paint 1881 colour creations	Drying time: (at 30°C)	Touch dry: 30 mins Hard dry: 1 hr
Type:	Modified acrylic resin	Overcoat Time: (at 25°C)	2 hrs
Finishes:	Low gloss	Full Curing (at 25 °C)	7 days
Application Method:	Roller / Brush / Spray	Specific Gravity: (at 25°C)	1.42±0.03
Theoretical Coverage:	10.0m ² /L/coat	Solid Content: (by volume)	53.48%
Dilution:	No, If necessary, using max. 5% clean water	Packing:	5L / 18L
Dry Film Thickness:	30µm	Shelf Life:	36 months in sealed original packaging stored at room temperature and shaded place.

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Technical Data

<u>Test</u>	<u>Test Method</u>	<u>Result</u>
VOC Content (g/L)	USEPA Method 24	<100
Formaldehyde (mg/kg)	GB 18582-2008	ND
Heavy Metal - Lead (mg/kg)	GB 18582-2008	ND
Heavy Metal - Cadmium (mg/kg)	GB 18582-2008	ND
Heavy Metal - Chromium (mg/kg)	GB 18582-2008	ND
Heavy Metal - Mercury (mg/kg)	GB 18582-2008	ND
Viscosity (KU)	ASTM D562-10 Method A Procedure B	93
Hiding Power (Contrast Ratio %)	BS EN ISO 2814 : 2006	94
Fineness of grind (µm)	BS EN ISO 1524 : 2013	30
Specular Gloss (85°)	BS EN ISO 2813 : 2000	15
Wet Scrub Resistance for 1500 Cycles	SS5 : F5 : 2003	Satisfactory
Accelerated Weathering Test (500 hrs)	ASTM G154-12a	Become slightly paler in colour and slightly loss in gloss, >99% gloss retention and 4-5 grey scale after test

*ND = Not Detected

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<u>Test</u>	<u>Test Method</u>	<u>Result</u>
Resistance of Paint to Fungus Growth	BS 3900 : G6 :1989	No fungus growth The rating is 0
Algal Resistance (8 Weeks)	Reference to FIN7.M370.7	Comply
Condition in Container	JIS K5400 “: 1990 4.1	When agitated, absent of lumps and evenly mixed.
Admixture	JIS K 5400 : 1990 4.1	Evenly mixed consistency
Film appearance	JIS K5400 : 1990 7.1	The flatness of painted surface was good, and no graining, wrinkles, unevenness, blisters, holes or peelings was observed.
Flexibility	BS 3900 : E1 : 1995	The painted surface withstand the flexure steer caused by a mandrel with 10mm diameter.
Cross-Hatch Cutting Test	BS 3900 : E6 :1992 (AMD 8353)	The edges of the cuts were completely smooth; none of the squares of the lattice was detached (25 out of 25 squares were good.
Impact Resistance (W=300g, H=50cm)	JISK 5400 : 1990 8.3	No cracks or peelings was observed on the film surface.
Quantifying Dirt Collection	ASTM D3719-97	Total dirt: > 99% Imbedded dirt : >99%
Acid Resistance (0.1% HCl Solution for 24 Hours)	BS EN ISO 2812-1 : 2007	No discernible change
Adhesion	BS 3900 : G6 : 2007	Classification - 0
Humidity Resistance for 3000 hrs	BS 3900 : F9 : 2001	No discernible change

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Recommended Painting System

Sealer/Primer: One coat of Ultra Sealer III
Base Coat: One coat of Tilelac Texture Base Coat (Optional)
Top Coat: Two coats of Weatherbond

Surface Preparation

All surface must be clean, dry and free from oil, grease, dirt, contaminants and loose materials.

- Dirt/Powder: High-pressure wash.
- Paint: Remove unstable or old film by high-pressure wash, or scraper whichever is appropriate.
- Plaster: Remove by chisel or power grinder. Replaster to unstable surface with an approved mortar mixture.
- Moisture: High moisture causes paint defect. The moisture content of substrate should be less than 6% or 19 determined by Protimeter. All water seepage must be checked and rectified.
- pH Value: pH value should be less than 10.
- Fungus: Remove by high-pressure wash & treat with Nippon Paint Anti-Fungus Solution
- Oil/Grease: Clean off with mild detergent and a little solvent. Wash thoroughly to remove all trace.

- ✧ **Ensure fresh air ingress while applying and before dry done**
- ✧ **High humidity and cool temperature will result in longer drying time**

Limitations

Avoid painting when the temperature is below 5°C or the humidity is over 85%. Do not paint when raining and rain is expected during painting or drying process.

Clean Up

Wash painting tools with water immediately after use

Safety Information

Keep out of reach of children. If medical advice is needed, get the product container or label at hand for easy reference.

Be aware of sanding dust / spray mist. Protective gloves, eye or face protection are highly recommended. Keep away from sparks, heat, open flames and any other ignition sources.

Eating, drinking and smoking should be prohibited in areas where the material is handled, stored and processed.

In case of eye contact, rinse immediately with plenty of water. For splashed skin, clean thoroughly with soap and water. Seek medical attention if indication persists.

If you experience difficulties on breathing, leave applied area and obtain fresh air. If difficulties continue, immediately get medical attention.

Product must always be stored in a ventilated, cool and dry place.

Tightly close product container after each use.

Flash Point and Ignition Point

Flash Point: N/A
Ignition Point: N/A

Note: The information given applies to the product and its performance under specific test condition. Due to the varied circumstances beyond our control under which the product may be applied, for specific applications, please contact Nippon Paint Project Sales Department. We reserve the right to modify our product specification without prior notice.

For further enquiries, please call:

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