



# Weatherbond

INDISPENSABLE COST SAVING EXTERIOR PAINT



Chemical Resistance



Humidity Resistant



Anti-Fungus



Low Odor



Weathering Resistance



## Highlight

High-performance water-based acrylic paint that has the superior physical properties of weathering resistance.

### “Product Conformity Certification Scheme for Paint Product” PCCS-PP (2015) Under the Category of Multi-layer Acrylic Paint

The purpose of the scheme is to ensure that all paint produced by certified paint manufacturers meet purchasers' requirement as specified in the technical regulation of the scheme. Product Conformity Certification Scheme that requires certified paint manufacturers to operate a quality system which complies with ISO 9001 and the Regulation of the Scheme.



Certified under Product Conformity Certification Scheme for Paint Product Certificate No.: P0057

### Performance Data

Test	Test Method	Result
Acid Resistance (0.1% HCl Solution for 24 Hours at Ambient)	BS EN ISO 2812-1 : 2007	No discernible change
Adhesion	BS 3900 : E6 : 2007	Classification - 0
Resistance of Paint to Fungal Growth	BS 3900 : G6 : 1989	No fungal growths (The rating is 0)
Determination of Algal Resistance	Reference to FIN7.M370.7	Comply
Fineness of Grind (µm)	BS EN ISO 1524 : 2013	30
Humidity Resistance for 3000 Hours	BS 3900 : F9 : 2001	No discernible change
Condition in Container	JIS K5400 : 1990 4.1	When agitated, absent of lumps and evenly mixed
Admixture	JIS K5400 : 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 : Part E6 : 1995	The painted surface withstand the flexure steer caused by a mandrel with 10mm diameter
Cross-Hatch Cutting Test	BS 3900 : Part E6 : 1992 (AMD 8353)	The edges of the cuts were completely smooth; none of squares of the lattice was detached (25 out of 25 squares were good)
Impact Resistance	JIS K5400 : 1990 8.3	No cracks or peelings was observed on the film surface
Hiding Power (Contrast Ratio%)	BS EN ISO 2814 : 2006	94
Wet Scrub Resistance for 1500 Cycles	SS5 : Part F5 : 2003	Satisfactory
Heavy Metal - Lead (mg/kg)	GB 18582-2008	N.D.
Heavy Metal - Cadmium (mg/kg)	GB 18582-2008	N.D.
Heavy Metal - Chromium (mg/kg)	GB 18582-2008	N.D.
Heavy Metal - Mercury (mg/kg)	GB 18582-2008	N.D.
Formaldehyde (mg/kg)	GB 18582-2008	N.D.
Accelerated Weathering Test (500 hours) - Observation	ASTM G154-12a	Becomes slightly paler in colour, slightly loss in gloss

\*N.D. = Not Detected

Test	Test Method	Result
Accelerated Weathering Test (500 hours) - % of Gloss Retained	ASTM G154-12a	>99
Accelerated Weathering Test (500 hours) - Colour Change (Grey Scale)	ASTM G154-12a	4-5 (Grey Scale)
Quantifying Dirt Collection (30 days) - Total Dirt (%)	ASTM D3719-97	>99
Quantifying Dirt Collection (30 days) - Imbedded Dirt (%)	ASTM D3719-97	>99

### Technical Data

Type	Modified Acrylic Resin
Colour	Nippon Paint 1881 Colour Creations
Finish	Low Gloss
Application Method	Brush / Roller / Airless Spray
Theoretical Coverage	Theoretical: 10.0m <sup>2</sup> / Litre Practical: Depends on substrate condition, application method etc
Dilution	Ready for use, if necessary, dilution should not be more than 5% of water (For both external and internal)
Drying Time	Touch dry - 30 minutes at 30°C Hard Dry - 1 hour at 30°C Overcoat Time - 2 hours at 25°C The actual data may vary slightly depending on application conditions, methods and surface conditions
Recommended Painting System	1 coat : Nippon Paint Ultra Sealer III 1 coat : Nippon Paint Tilelac Texture Base Coat (Optional) 2 coats : Nippon Paint Weatherbond
Solid Content	53.48% by volume
Specific Gravity	1.42 ± 0.03 kg
Packing	5 L & 18 L
Storage	Microbial Contaminants cause paint to spoil. Keep excess paint clean, reseal lid and store in cool and dry place
Shelf Life	36 months in sealed original packaging stored at room temperature and shaded place
Surface preparation	Ensure surface is clean, dry and stable. Remove loose surface matter and contaminants by appropriate means. If necessary, anti-fungus solution is recommended to wash the infected areas. Do not paint when moisture content is above 6 % or 19 determined by protimeter and pH value is above 10. For spray application, use a cover to keep splashing paint away from other surfaces
Precaution	Avoid direct contact on sensitive skin. Use appropriate protective equipment

### Job References



Noble Square



Mun Tung Estate



Tso Kung Tam  
Outdoor Recreation Centre