

**WEATHERBOND**
*Updated June'25*


Weatherbond is not just a premium pure acrylic exterior paint — it's a surface defence system. Powered by Quartz Technology, it forms a reinforced paint film that delivers deep, long-lasting protection against harsh tropical weather, acid rain, and urban pollutants.

Its chemically inert formula offers superior resistance to alkaline substrates and acidic environments, ensuring your home remains structurally protected and visually beautiful — even in aggressive outdoor conditions.

With **Colour Care Technology**, Weatherbond locks in rich, vibrant colours with excellent fade resistance with proven colour stay in real climate exposure. Paired with High Solar Reflectance Index (SRI) capability, it helps reduce heat absorption, providing a cooler and more comfortable indoor environment — especially important in tropical climates.

**Product Features:**

- **Quartz Technology Defence**  
Builds a tougher, longer-lasting paint film that resists cracks and surface erosion.
- **Superior UV Shield**  
Protects against long-term sun exposure with radiant colour retention.
- **Acid & Alkaline Resistant Core with KeepClean Technology**  
Specially formulated for polluted or high-alkalinity surfaces, ensuring integrity over time.
- **Advanced Dirt Resistance with KeepClean Technology**  
Repels dirt and pollution — no water needed to stay clean.
- **Certified Fungal & Algae Protection with Micro Block Technology**  
Safeguards exterior walls from biological growth across tropical climates.
- **SRI-Enabled Heat Deflection with Sunblock Technology**  
Reflects solar heat in selected colours to help keep interior spaces cooler.
- **Rapid Drying Technology**  
Touch-dry in just 20 minutes — ideal for faster job turnover and unpredictable weather.
- **Guaranteed 8-Year Durability**  
Proven protection for long-lasting surface performance and beauty.
- **Eco-Certified, Family-Safe**  
Complies with SIRIM, Singapore Green Label, and environmentally responsible standards.

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water-based	Exterior	Sheen	Masonry, brick, plastering substrate and fibreboard	1 Litre, 5 Litres, 15 Litres, 18 Litres, 20 Litres

**Composition**

Pigment	: Mainly Titanium Dioxide, functional extender, inorganic metal oxide and high-performance organic pigment
Binder	: Pure Acrylic Emulsion
Thinner	: Water

Technical Data	
Drying Time	: Touch Dry : 20 minutes (Dependent on temperature and humidity) : Hard Dry : 1 hour (Dependent on temperature and humidity)
Recoating Time	: 2 hours (Dependent on temperature and humidity)
Dry Film Thickness	: Around 30 µm per coat
No. of Coats	: 2 coats
Theoretical Coverage	: 10 – 12 m <sup>2</sup> per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
Volume Solid	: ~ 40%
Shelf Life	: Up to 36 months in a tightly sealed container
Application Method	
Brush / Roller	: Dilute the paint with not more than 5% of water. Preferably not dilute for best performance.
Recommended Coating System	
Sealer / Primer	: 8100 Weatherbond Sealer / 5100 Wall Sealer / 8000 Expresskote : 1 Coat Sealer / Acrylic 5170 Wall Sealer / Hi-Bond Wall Sealer (on powdery or skim-coated surface)
Top Coat	: Weatherbond : 2 Coat
Surface Preparation	
Remove all loose, defective paint or powdery residues, loose chalk, dust, fungus, algae and foreign matter. Treat any areas affected by fungus growth with Fungicidal Wash Solution. Repair cracks, uneven surfaces with Nippon CrackREPAIR 1000 Compound or 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 16% measured by protimeter and alkalinity of the walls to be below pH9.) Spot prime with Nippon Paint Exterior Wall Sealer.	
Cleaning	
Clean up equipment with water immediately after use.	
Certificates	
Complies to Singapore Green Label, SIRIM Eco-Label and MS-SIRIM Certified by: <i>Singapore Environment Council (SEC) and SIRIM QAS</i>	
Tests	
<ol style="list-style-type: none"> <li>1. <b>SS5: Part F5:2003 (2013)*</b> on Wet Scrub Resistance</li> <li>2. <b>ASTM G154*</b> QUV-A on Colour Retention Resistance</li> <li>3. <b>SS5-G12:2020*</b> on Xenon Arc Accelerated Weathering</li> <li>4. <b>SS 678: 2021*</b> on Dirt Pick Up Resistance – Natural Weathering</li> <li>5. <b>SS345:1990 (Appendix B)*</b> on Algal Resistance Test</li> <li>6. <b>MS 133: Part G6*</b> on Fungal Resistance Test</li> <li>7. <b>ASTM E903, ASTM C1371 &amp; ASTM E1980*</b> on Solar Reflectance, Emittance and Calculation of Solar Reflectance Index (SRI) of Paint Measurements</li> <li>8. Alkaline and Efflorescence tested in-house according to China GP Method</li> </ol>	
Safety Precautions	
<ul style="list-style-type: none"> <li>• Keep container tightly closed and keep out of reach children or away from food and drink.</li> </ul>	

- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.

**Note**

\* Theoretical Coverage is based on a mathematical formula

$$\left[ \frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$$

and does not consider LOSS FACTORS.

Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

**Disclaimer**

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Users are encouraged to consult Nippon Paint for specific guidance on the suitability of this product for their intended use and application method.

In case of discrepancies between language versions, the English (United Kingdom) version shall prevail.