

ROOF COATING
Updated June'26


Nippon Paint Roof Coating is a durable acrylic-based roof paint formulated to deliver dependable, long-term performance of weather conditions. Designed with a pure acrylic emulsion, it offers certified dirt resistance, dual biocidal protection, and UV-tested durability—making it a superior choice over traditional roof coatings.

Unlike other roof paints, Nippon Paint Roof Coating is independently tested to ASTM standards, ensuring superior performance in cleanliness, colour retention, and film integrity. With a gloss finish and high surface coverage, it maintains both aesthetic appeal and long-lasting protection—making it the trusted solution for homeowners seeking professional results.

Product Features:

- **Dual Fungus & Algae Protection**
Biocidal formula provides long-term protection against black spots, green algae, and mould. Ideal for hot and humid climates where biological growth is common.
- **UV Durability – ASTM G154 & G155 Tested**
Offers reliable protection against fading, cracking, and surface degradation. Proven colour retention and film integrity even under frequent sun exposure.
- **Gloss Finish with Efficient Coverage**
Forms a strong, reflective film with a sleek appearance. Delivers **8–10 m²/L**—higher efficiency compared to Dulux's low spread rate and competitive with Jotun.
- **Versatile for Concrete Tile & Metal Roofs**
Engineered for both new and repainting applications. Provides excellent adhesion on concrete, fiber cement, and metal substrates with compatible primer systems.

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Exterior	Gloss	Concrete tile roof, Metal / cladding roof	5 Litres, 18 Litres

Composition

Pigment	: Mainly Titanium Dioxide, Iron Oxide, Carbon Black, Organic Pigments and Mineral Extender
Binder	: Pure Acrylic
Thinner	: Water

Technical Data

Drying Time	: Touch Dry : 30 minutes (Dependent on temperature and humidity)
	: Hard Dry : 3 hours (Dependent on temperature and humidity)
Recoating Time	: 4 hours (Dependent on temperature and humidity)
Dry Film Thickness	: Around 30 µm per coat (based on substrate condition)
No. of Coats	: 2 coats
Theoretical Coverage	: 8 – 10 m ² per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
Volume Solid	: ~ 34%
Shelf Life	: Up to 36 months in tight sealed container

Application Method

Brush / Roller	: Dilute the paint with not more than 5% of water. Preferable not dilute for best performance.
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This Technical Data Sheet (TDS) replaces all earlier versions.

For details or to find your nearest Nippon Paint office, visit nipponpaint.com.my.

Recommended Coating System		
<u>New Substrate</u>		
Concrete Tile Roof		
Sealer / Primer	: Acrylic 5170 Wall Sealer	: 1 Coat
Top Coat	: Roof Coating	: 2 Coats
Metal / Cladding Roof		
Sealer / Primer	: Hydro Wood & Metal Primer	: 1 Coat
Top Coat	: Roof Coating	: 2 Coats
<u>Re-painting Substrate</u>		
Metal / Cladding Roof		
Sealer / Primer	: Acrylic 5170 Wall Sealer	: 1 Coat
Top Coat	: Roof Coating	: 2 Coats
Surface Preparation		
<p>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 Sealer.</p>		
Cleaning		
Clean up equipment with water immediately after use.		
Tests		
<ol style="list-style-type: none"> 1. ASTM G154 on QUV-A Colour Retention Resistance, tested in-house 2. ASTM G155 on Xenon Arc Accelerated Weathering, tested in-house 3. ASTM D2486 on Wet Scrub Resistance, tested in-house 		
Safety Precautions		
<ul style="list-style-type: none"> • Keep container tightly closed and keep out of reach children or away from food and drink. • 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. 		
Environment Precautions		
<ul style="list-style-type: none"> • Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations. 		
<u>ENVIRONMENTAL CARE</u>		
<ul style="list-style-type: none"> • Dispose of paint waste in accordance with Environmental Quality Regulations; do not pour liquid paint into drains or soil, as it is a regulated scheduled waste, and ensure proper disposal via licensed facilities or by allowing paint to dry completely before discarding. 		

- Recycle and reuse the plastic paint pail by scraping out all remaining paint for future use (e.g., transferring to a smaller container for touch-up or repainting), allowing any residual paint to dry, removing the dried paint film using a scraper and disposing of it as general waste, washing the empty pail with water, and then reusing the clean pail for household purposes or sending it to an approved recycling centre.

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

The information contained in this document is provided to the best of Nippon Paint's knowledge, based on laboratory testing and practical experience. As our products are considered semi-finished goods, their performance may be influenced by conditions beyond Nippon Paint's control. As such, we can only guarantee the quality of the product itself. Minor variations may be introduced to comply with local regulations. Nippon Paint reserves the right to modify the information in this document without prior notice.

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.