

ROOF COATING
Updated July'25


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:

- Certified Dirt Resistance – ASTM D3719**
 Prevents dust and pollutants from adhering to the surface, helping roofs stay visibly clean longer. Validated by dirt pick-up testing—something Jotun and Dulux do not publicly claim.
- 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.
----------------	--

Recommended Coating System

New Substrate
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

Re-painting Substrate
Metal / Cladding Roof

Sealer / Primer	: Acrylic 5170 Wall Sealer	: 1 Coat
Top Coat	: Roof Coating	: 2 Coats

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 Sealer.

Cleaning

Clean up equipment with water immediately after use.

Tests

1. **ASTM D3719** on Dirt Pick-Up Resistance by Natural Weathering, tested in-house
2. **ASTM G154** on QUV-A Colour Retention Resistance, tested in-house
3. **ASTM G155** on Xenon Arc Accelerated Weathering, tested in-house
4. **ASTM D2486** on Wet Scrub Resistance, tested in-house

Safety Precautions

- 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.
- Dispose 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

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.