

NANO CLEAN CLEAR COAT
Updated May'24


Nano Clean Clear Coat is ideal for light-coloured exterior topcoats, especially on critical areas that are prone to have severe dirt streak mark issues. It is formulated based on an innovative organic and inorganic hybrid system. It provides a compact, robust and hydrophilic surface that not only gives good resistance in dirt pick-up but also offers exceptional resistance to dirt streak marks.

Additionally, Nano Clean Clear Coat is an environmentally friendly product with low Volatile Organic Compound (VOC) formulation to meet the enforcement of environmental regulation.

Product Features:

- Hard and compact surface provides resistance to dirt penetration
- Hydrophilic surface that promotes self-cleaning by rainwater
- Good UV resistance

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

Composition

Binder : Pure Acrylic Emulsion
 Thinner : Water

Technical Data

Drying Time : Touch Dry : 20 - 30 minutes (Dependent on temperature and humidity)
 : Hard Dry : 1 hour (Dependent on temperature and humidity)

Dry Film Thickness : Around 5 µm per coat

No. of Coats : 2 coats, wet on wet

Theoretical Coverage : 20 m² per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)

Volume Solid : ~ 6%

Shelf Life : Up to 36 months in tight sealed container

Application Method

Brush / Roller : 13mm polyester roller (Recommended) –10% dilution for best workability.
 13mm polyamide roller - No dilution recommended for best workability.

Recommended Coating System

Sealer / Primer	: 5100 Wall Sealer / 8000 Advance Wall Sealer / Expresskote Sealer / Acrylic 5170 Wall Sealer / Hi-Bond Wall Sealer (on powdery or skim-coated surface)	: 1 Coat
Top Coat	: Weatherbond	: 2 Coats
Clear Coat	: Nano Clean Clear Coat	: 2 Coats (wet on wet)

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, and uneven surfaces with suitable exterior grade fillers. Smoothen the filler areas with sandpaper. 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 the alkalinity of the walls to be below pH9.) Spot prime with Nippon Paint Exterior Wall Sealer and Nippon Paint Exterior topcoat.

Cleaning

Clean up equipment with water immediately after use.

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 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.

The above information is given to the best of our knowledge based on laboratory tests and practical experience.

However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.

We reserve the right to alter the given without prior notice.

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