5500 WALL SEALER

Updated July'26

5500 Wall Sealer is a Styrene acrylic water-based wall sealer. It is specially formulated for exterior walls to protect the finishing coats against the effects of mild alkalinity and moisture from the substrate.

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Exterior	Matt	Masonry, brick, plastering substrate and fibre board	5 Litres, 18 Litres, 20 Litres

Composition

Pigment	: Titanium Dioxide and Mineral Extender
Binder	: Styrene Acrylic Emulsion
Thinner	: Water

Technical Data

Drying Time	: Touch Dry : 15 minutes (Dependent on temperature and humidity)
	: Hard Dry : 1 hour (Dependent on temperature and humidity)
Recoating Time	: 2 hours minimum (Dependent on temperature and humidity)
Dry Film Thickness	: Around 30 µm per coat
No. of Coats	: 1 coat
Theoretical Coverage	: 10 – 12 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

Sealer / Primer	: 5500 Wall Sealer	: 1 Coat
Top Coat	: Nippon Paint Exterior Products	: 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 5500 Wall Sealer.

Cleaning

Clean up equipment with water immediately after use.

Tests

1. **ASTM D2486** on Wet Scrub Resistance, tested in-house
2. **ASTM D 3359** on Standard Test Methods for Measuring Adhesion by Tape Test, tested in-house
3. Alkaline and Efflorescence based on In-house test method
4. **SGLS Category 032** on Singapore Green Label

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.

Environment Precautions

- Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.

ENVIRONMENTAL CARE

- 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

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

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.