

HI-BOND WALL SEALER
Updated Oct'20


Hi-bond wall sealer is specially formulated for direct painting on difficult surfaces such as skim coated walls and plaster ceilings to enhance inter-coat bonding for the finishing topcoat.

Product Features:

- Good depth of penetration to enhance adhesion for subsequent topcoat
- Good mild alkaline and efflorescence resistance
- Lower odour during and after application (compare to ordinary solvent base sealer)
- Fast dry for quick recoating interval

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Solvent base	Interior & Exterior	Matt	Masonry, brick, plastering substrate and fibre board	5 Litres, 20 Litres

Composition

Pigment	: Titanium Dioxide and Mineral Extenders
Binder	: Styrene Acrylic Co-polymer
Thinner	: De-aromatised Hydrocarbon

Technical Data

Drying Time	: Touch Dry : 15 minutes : Hard Dry : 1 hour <i>Drying time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Odourlite Thinner.</i>
Recoating Time	: 2 hours <i>Recoating time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Odourlite Thinner.</i>

***Important Note:**

Drying Time and recoating time are strongly depending on environment ventilation, paint thickness, environment temperature, environment humidity, number of coats applied, thinner used to dilute product and recoat materials. So drying time and recoating time provided is for guide only.

Dry Film Thickness	: 35-40 µm per coat (based on substrate condition)
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	: ~ 42%
Shelf Life	: Up to 36 months in tight sealed container

Application Method

Brush / Roller	: The paint is ready for use after thorough stirring. If thinning is necessary, not more than 5% Odourlite Thinner may be added.
Conventional Air Spray / Airless Spray	: The paint is ready for use after thorough stirring. If thinning is necessary, not more than 5% Odourlite Thinner may be added.

Recommended Coating System

Sealer / Primer	: Hi-bond Wall Sealer	: 1 Coat
Top Coat	: Nippon Exterior Products / Nippon Interior Products	: 2 Coats

Surface Preparation

Remove all loose, defective paint or powdery residues, loose chalk, dust and foreign matter. Repair cracks, uneven surfaces with suitable 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 Hi-bond Wall Sealer.

Cleaning

Clean up equipment with thinner 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.