

ACRYLIC 5170 WALL SEALER
Updated Apr'23


Acrylic 5170 Wall Sealer is a vinyl acrylate solvent-based sealer. It is specially formulated to protect the finishing coats against the effect of alkalinity and moisture from the walls.

Product Features:

- Promotes better adhesion
- Good alkaline and efflorescence resistance
- Good for chalky and powdery surfaces

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Solvent based	Interior & Exterior	Matt	Masonry wall, brickwork, plaster and asbestos free substrate	1 Litre, 5 Litres, 20 Litres

Composition

Pigment	: Titanium dioxide and mineral extenders
Binder	: Acrylic Resin
Thinner	: Combination of ester, ketone and hydrocarbon

Technical Data

Drying Time	: Hard Dry : 2 hours <i>Drying time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Acrylic 3000 Thinner.</i>
Recoating Time	: Minimum 2 hours <i>Recoating time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Acrylic 3000 Thinner.</i>
<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.</i>	
Dry Film Thickness	: Around 30-35 µm per coat (based on substrate condition)
No. of Coats	: 1 coat
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	: ~ 58%
Shelf Life	: Up to 36 months in tight sealed container

Application Method

Brush / Roller	: Ready for use after thorough stirring. If necessary, dilute with maximum 5% of Acrylic 3000 Thinner.
Conventional Air Spray	: Dilute with 10% - 15% Acrylic 3000 Thinner.
Airless Spray	: Ready for use after thorough stirring.

Recommended Coating System

Emulsion Paint		
Sealer / Primer	: Acrylic 5170 Wall Sealer	: 1 Coat
Top Coat	: Nippon Paint Interior Products / Nippon Paint Exterior Products	: 2 Coats

Tilelac Textured Coating

Sealer / Primer	: Acrylic 5170 Wall Sealer	: 1 Coat
Textured Finish	: Tilelac Ema Base	: 1 Coat
Top Coat	: Acrylic Finish / Polyurethane Finish / PU Recoatable Finish / Weatherbond	: 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 Acrylic 5170 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 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.