

POLISHED PLASTER CO.

Breathecoat SMOOTH PAINT - PRODUCT DATASHEET

PRODUCT DESCRIPTION

Breathecoat Smooth is a functional coating system with the specific purpose to allow water vapour to evaporate from the substrate, but not allowing any moisture penetrating the substrate from the exterior environment. It is available in a range of colours.

READ ALL THE INSTRUCTIONS THOROUGHLY BEFORE USE

PURPOSE

- To allow damp saturated walls to breathe vapour out, without the paint peeling, through the application of membrane Nano-technology.
- Breathecoat Smooth is also environmentally friendly, containing no VOC's and do not leave an unpleasant smell, once applied.

PREPARATION OF SUBSTRATE

- Wall substrate only needs to be touch-dry.
- Wall substrate must be sound, oil and fat free. In the case of brittle or less firm substrates, dilute the first coat of Breathecoat Smooth, using an extra 0.5L of water, on top of the required 3L of water. This specifically applies to straw bale houses ensuring depth penetration, to stabilize the substrate.
- On hot and windy days, pre-damp the substrate before application on exterior surfaces. No excessive water on the substrate.
- When applied to already painted surfaces, all loose and flaking material must be removed. If the painted substrate presents a smooth or glossy sheen, the surface must be sanded using a 200 grit sandpaper to ensure a profile for good bonding. Once the substrate has been sanded; all dust must be removed before commencing with painting.
- No primer is required. Breathecoat Smooth is a cementitious based paint and therefore do not need a primer.

MIXING

Decant 3L of water in a suitable container. Gradually add the 3.4kg of powder, while mechanically stirring. Mechanically mix for 3 minutes after the last powder is added and allow standing for 30 minutes. The mixture will yield a volume of 5L.

APPLICATION

- Apply, using a "Hamiltons Classic" roller and brush. First saturate the roller in the paint on a paint tray and complete a "V" shape on the wall. This is to ensure that the paint is evenly distributed on the roller. Cut in corners, using a brush, and apply the paint from corner to corner or joint to joint, without a stoppage. Keep a wet edge and do not touch up after the paint has dried. The latter applies for dark colours.
- If the mixed paint in the bucket is thickening up, while painting, do NOT add extra water. Just stir again to repair the consistency.
- Apply as a two coat system, both coats in similar fashion.
- Coverage: 20m² to 35m² per 5L per coat, depending on the substrate profile.
- When the substrate change in structure, a mesh strip, soaked in the Breathecoat Smooth paint, must be placed over the interphase, overlapping 50mm on each side. Once the strip is touch dry, apply the Breathecoat Smooth as per specification above.
- Do not apply as an external application, should it rain within 72 hours.

POST-CURE

The coating can be post-cured the next day, using a fine mist spray from the bottom to the top.

TECHNICAL DATA

Pot Life	90 minutes at 23°C
Coverage	20m ² to 35 m ² per 5L mix per coat, depending on the substrate profile.
Dry Film Thickness	80µm - 100µm per coat.
Tensile Adhesion	0.89N/mm ² on cured concrete.
Volatile Organic Compound	Zero Rate VOC (no organic solvents, no acrylic or polyvinyl acetate binder, no co-solvents or organic additives)

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NOTIFICATION

Breathecoat Smooth is cementitious and if applied on exterior surfaces, specifically the darker colours, rain might cause secondary efflorescence (a white powdery residue, due to the water washing the non-soluble salts from the paint layer, noticeable on the darker colours). Efflorescence might take 6 months to 9 months to wash out completely before it will start fading away. Four weeks after application, if efflorescence occurs, a 10% solution of white vinegar can be used to wash it or clean it.

Primary efflorescence might also occur due to water ingress into the substrate, causing paint film failure.

To avoid efflorescence:

- Apply a thin mist spray onto the newly painted surface, spraying from bottom to top, a day after paint application. Repeat one day later. This will cure the paint quicker.
- Assure that adequate waterproofing measures are in place.

Cementitious Paints take 28 days to reach full cure. After 28 days it will reach maximum strengths and wash ability. Prominent variation in the substrate might show through on the surface of the paint as a colour variation. Substrates must be thoroughly prepared.

NOTICE

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