

FX4 One Coat Base Highly Flexible



Technical Data

Pack Size
25kg Bag

Finishing Tool
Sponge Float or Brush

Substrate Primer
S10

Suitable Substrate
Concrete, Clay, Lightweight
Block and Brick

Pot Life
1 Hour +

Water Demand
Approx. 4.75 litres per 25kg bag

Ready to Finish
2-8 hours @ 3°C - 25°C

Humidity Requirement
Less than 95%

Coverage
Approx. 1.7kg per mm / per m²

Application Temperature
3°C - 25°C



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ecorend FX4 One Coat Base Highly Flexible
GP: General purpose rendering/plastering mortar

EN 998-1:2010

Reaction to fire	Class A1
Dry bulk density	1620 kg/m ³
Compressive strength	CS IV
Adhesion	≥ 1.8 N/mm ² , (FP) B
Capillary water absorption	W2
Water vapour permeability coefficient	μ ≤ 15/35
Thermal conductivity	(λ10, dry) 0.61 W/mK (tab. mean value; P=50%)



Highly Flexible



Water Repellent



High Adhesion



Breathable



Trowel or Spray
Application



Sponge Float or
Brush Finish

DESCRIPTION

Ecorend FX4 One Coat Base is a cement based basecoat that has been highly polymer modified in order to offer the ultimate flexible base for multiple substrates. With excellent adhesion, waterproofing and breathability, this product can be applied over Ecorend S10 Bonding Primer by hand or by spray and used as a scratch basecoat ready to receive a through coloured render or as a flat finish ready to receive a thin coat render.

PREPARATION

All surfaces must be sound, clean, dry and free of any material which may impair adhesion. Do not apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration, must be rectified. Mask around the areas where material is to be applied. Masking tape must be removed before the material has dried out. Beads and expansion joints should be included as required by the substrate and BS standards and carried through all applied materials.

Specifications for mixed or unusual substrates are available on request.

PRIMING

Concrete, clay, lightweight block and brick – Ecorend S10 Bonding Primer

MIXING

Ecorend FX4 One Coat Base should be mixed with clean water at a rate of approximately 4.75 litres per 25kg bag using a suitable paddle or pan mixer, mix for 2 minutes, allow to stand for 2 minutes then re-mix. This process allows the additives to dissolve and activate.

APPLICATION

To avoid dampness and discolouration rendering should be avoided below DPC or within 150mm of ground level.

Ecorend FX4 One Coat Base should be applied in a one-coat 2 pass operation to a thickness of 8-10mm.

8mm Scratch Coat – Ready to receive a Through Coloured Render

The 1st pass should be applied to the primed substrate with a stainless steel trowel or spray pump, and for ease of application a serrated feather edge and finishing spatula will help. Apply the 1st pass to approx. 4mm thick with fibre-reinforcing mesh included in the 1st pass ensuring that the mesh is overlapped 100mm at the mesh joints. Additional fibre-reinforcing mesh stress patches of 500 x 500mm should be added at all openings i.e. windows and doors, and also window reveals for additional substrate stress protection. The 2nd pass should then be applied to approx. 4mm thick wet on wet to the 1st pass and should then be brush key finished with a stiff brush and allowed to set.

10mm Flat Finish - Ready to receive a Thin Coat Render

The 1st pass should be applied to the primed substrate with a stainless steel trowel or spray pump, and for ease of application a serrated feather edge and finishing spatula will help. Apply the 1st pass to approx. 5mm thick with fibre-reinforcing mesh included in the 1st pass ensuring that the mesh is overlapped 100mm at the mesh joints. Additional fibre-reinforcing mesh stress patches of 500 x 500mm should be added at all openings i.e. windows and doors, and also window reveals for additional substrate stress protection. The 2nd pass should then be applied to approx. 5mm thick wet on wet to the 1st pass, levelled flat and should be left to pick up for 2-8 hours and then be wet sponge float finished flat and allowed to set.

Specification Clauses relating to this product can be found in NBS Section M20 Rendering. BS 5262 Code of Practice for External Rendering and BS 8000-10 must be followed.

Note:

Ecorend FX4 One Coat Base may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.

STORAGE

When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

TOOL CLEANING

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

HEALTH & SAFETY INSTRUCTIONS

For further information, please request the material safety data sheet for this product.

IMPORTANT INFORMATION

The weather conditions for application and drying are critical. Do not apply if any of the following conditions are likely to arise during - or in the first 24 hours following application:

- If frost is forecast, or in wet conditions
- When Relative Humidity is above 95%
- In temperatures below +3°C or above +25°C
- If the elevation is in direct sunlight
- If the substrate is hot (at or above 30°C) or below +3°C

Coverage rates are approx. and do not take into account wastage and uneven substrates

The render must be protected against heavy rain, direct sun or wind in the first 24 hours after application. Sheeting the façade or the scaffold is advised to protect against this. For this particular product, if these parameters are not met, the product is at risk of, efflorescence, colour variation, cracking and potential failure. Always ensure that the same batch numbers when possible are used up to natural breaks in the elevation – i.e. down pipes, expansion joints and corners as batch to batch colour variation is possible due to the fact natural raw materials are used. It is the responsibility of the application contractor to manage and record the weather conditions during application and curing of the product.

To the best of our knowledge and belief, this information is true and accurate. However, as conditions of use of the product and the expertise of any labour involved are beyond our control, the end user must satisfy themselves by prior testing that the product is suitable for their specific application if no spec has been provided for the project in hand. No responsibility can be accepted, nor any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that they have consulted our latest literature.