

# FX4

One Coat Base



Excellent Adhesion



Highly Breathable



Water Repellent



Highly Polymer Modified



## Basecoat With Excellent Flexibility, Waterproofing & Breathability

ecorend FX4 One Coat Base is a cement-based ultra-high-performance product that has been highly polymer modified to offer the ultimate flexible base for multiple substrates. With excellent adhesion, and W2 weatherproofing performance this product is also highly breathable and utilises our cutting-edge trowel technology which makes the product easy to apply by hand or by spray over multiple substrates and is particularly good for EW1 (external wall insulation) systems and render carrier board systems.

### Approvals and Certificates

ETAG 004 & EN-998-1:2016

### Technical Data

Pack Size	25kg bag waterproof packaging
Application Tool	Stainless steel trowel, 6mm Notched trowel, sponge float
Water Demand	Approx. 4.75 to 5.5ltr per 25kg bag
Pot Life	1 Hour +
Ready to Finish	2 to 8 hours @ +3°C to 25°C
Humidity Requirement	Less than 95%
Coverage	Approx. 1.6kg per mm/per m <sup>2</sup>
Application Temperature	+3°C to 25°C

### Approved Substrates

Approved Substrates	Not Approved Substrates
New Concrete Block	Timber
Smooth Brick	Metal
Rough Brick	Glass
Hacked Off Render	Below DPC
Lightweight Block	Flat Surfaces
Existing Render (pinned)	
Insulation	
Render carrier board	

### UK CA Declaration of Performance

	Wetherby Laroc Group Dalton Industrial Estate, Dalton, North Yorkshire YO7 3HE 14
	ecorend FX4 One Coat Base GP: General purpose rendering/plastering mortar EN 998-1:2016
Reaction to fire	Class A1
Dry bulk density	1620 kg/m <sup>3</sup>
Compressive strength	CS IV
Adhesion	≥ 1.8 N/mm <sup>2</sup> , (FP) B
Capillary water absorption	W2

### 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

For highly absorbent or dusty surfaces use ecorend S10 or G10 Bonding Primer.

### MIXING

ecorend FX4 One Coat Base should be mixed with clean water at a rate of approximately 4.75 to 5.5 litres per 25kg bag using a suitable high speed paddle mixer. Mix for 2 minutes, allow to stand for 2 minutes then re-mix. This process allows the additives to dissolve and activate, add more water if required to achieve optimum application consistency.

### 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 two pass, wet-on-wet method and built up to the specified thickness using a hawk and trowel or suitable spray equipment. ecorend FX4 One Coat Base can be finished as required, for a plain finish rub up in a traditional render technique using damp sponge as the render starts to pick up ready to receive a suitable finish or brush key.

#### 6mm Base Coat - EWI or render carrier board system

Coat the boards with ecorend FX4 One Coat Base using a stainless steel float, and then use a 6mm notched trowel vertically – this will prepare the base coat to receive the reinforcing mesh. Bed in the mesh using a stainless steel float and ensure that the joints overlap by 100mm. Additional fibre-reinforcing mesh stress patches of 500 x 500mm should be added at all openings i.e. windows and doors, and window reveals for additional substrate stress protection.

Once the initial set has taken up, or the following day, apply a second layer of ecorend FX4 One Coat Base at 3mm to produce a sandwich between the mesh and the second coat. **Total thickness = 6mm.**

Product can be sponge float finished or a brush keyed as required, for suitable finish to be applied.

#### 8mm Scratch Coat – Masonry ready to receive through coloured render

Coat the substrate with ecorend FX4 One Coat Base using a stainless steel float, and then use a 6mm notched trowel vertically – this will prepare the base coat to receive the reinforcing mesh. Bed in the mesh using a stainless steel float and ensure that the joints overlap by 100mm. Additional fibre-reinforcing mesh stress patches of 500 x 500mm should be added at all openings i.e. windows and doors, and window reveals for additional substrate stress protection.

Once the initial set has taken up, or the following day, apply a second layer of ecorend FX4 One Coat Base at 4mm to produce a sandwich between the mesh and the second coat.

Product can be brush keyed finished as required, for suitable finish to be applied. **Total thickness = 8mm**

#### 10mm Flat Finish – Masonry ready to receive a thin coat render

Coat the substrate with ecorend FX4 One Coat Base using a stainless steel

float, and then use a 6mm notched trowel vertically – this will prepare the base coat to receive the reinforcing mesh. Bed in the mesh using a stainless steel float and ensure that the joints overlap by 100mm. Additional fibre-reinforcing mesh stress patches of 500 x 500mm should be added at all openings i.e. windows and doors, and window reveals for additional substrate stress protection.

Once the initial set has taken up, or the following day, apply a second layer of ecorend FX4 One Coat Base to produce a sandwich between the mesh and the second coat. The 2nd pass should then be applied to approx. 6mm levelled flat and should be left to pick up for 2 to 8 hours and then be wet sponge float finished and allowed to set. **Total thickness = 10mm**

### SPRAY APPLICATION

Please refer to spray application guidance technical information paper – available on website.

Specification Clauses relating to this product can be found in NBS Section M20 & M21 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

Shelf life is 18 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 to 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.

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.