

EcoRight “FIBRELIME” COARSE STUFF

1. Identification

1.1 Introduction

EcoRight Fiberlime Coarse Stuff is a traditional 3:1 ratio (aggregate to lime) mortar mix using non-hydraulic (fat or pure) lime, well-graded sharp sand and polypropylene monofilament fibres. Fibrelime is delivered as a wet mix and is available in 1 tonne or ½ tonne IBC's and 25kg bags

EcoRight Fibrelime Coarse Stuff is suitable for repairs to historic buildings and as a backing coat render/plaster onto lath. Can be used as a 3mm skim coat or a one coat plaster/render up to 30mm.

EcoRight Fibrelime Coarse Stuff is manufactured using non-hydraulic lime derived from high calcium quicklime (CaO).

1.2 Authority

Materials used conform to the following standards:

Sand	BS EN 13139: 2002
Building Lime	BS 890:1995/EN459

EcoRight Fibrelime Coarse Stuff is a traditional 3:1 ratio (aggregate to lime) mix that is gauged by volume. The aggregates used are a natural of sharp sand to improve workability and colour.

Aggregate grading BS Sieve

>5mm	0.98
<5mm >2.36mm	12.75
<2.36mm >1.18mm	14.86
<1.18mm >600µ	14.70
<600µ >300µ	39.55
<300µ >150µ	14.53
<150µ >75µ	2.48
<75µ	0.15

% of sand retained Sharp

Total **100%**

1.3 General Advantages

EcoRight Fibrelime Coarse Stuff offers several mix advantages:

- Consistent mix proportions.
- Consistent quality of mortar.
- Improved dispersion within the mix
- Improved bond to various substrates
- Can be re-worked up to the point of set.
- Will keep indefinitely as fibres within the mix will not deteriorate.
- Greater resistance to shrinkage and cracking
- Is breathable and enables moisture to evaporate
- Also suitable as a flexible mortar but will require pointing with 3:1 coarse stuff

Registered Address: Unit 2 Paddock Road Industrial Estate, Caversham, Reading, Berkshire, RG4 5BY
Tel: 01189 469 153 (head office) +44 (0)845 873 3888 (orders) 01189 946 9176 (fax). Company Reg no: 6561874.

EcoRight Ltd is a member of **The Building Limes Forum**, a charitable organisation which works Internationally to promote research and education and to encourage expertise and understanding in the use of building limes.



2. Description

2.1 Manufacture

Raw materials and end products are subject to regular quality control procedures. The materials are batched by volume.

2.2 Mortar applications

EcoRight Fibrelime Coarse Stuff is particularly relevant for the repair of historic buildings. This includes plastering of internal walls (as a backing of finishing coat) and the repair or rendering of external walls.

EcoRight Fibrelime Coarse Stuff is also highly compatible with soft building materials such as earth (cob), shuttered earth, reed clay block, wood, straw bale, coppiced wood and soft brick. Also onto metal and timber lath, heraklith woodwool boards, lightweight blocks and stone and brick. The above is a guide only; if you wish to discuss a specific application in further depth, please call our sales office.

2.3 Performance

EcoRight Fibrelime Coarse Stuff is more flexible than Portland cement based mortars, which means that expansion joints are not always necessary.

EcoRight Fibrelime Coarse Stuff offers excellent vapour permeability, which enables the building to "breathe".

3. Site Work

EcoRight Fibrelime Coarse Stuff can be delivered to site in either 1 tonne or ½ tonne IBC's and 25kg bags

EcoRight Fibrelime Coarse Stuff is a pre-mixed wet mortar. Generally there should be no need for the addition of water to the mix. However, if the mortar is particularly dry then a small amount of water can be added but should be controlled to ensure that the mix does not become saturated. As the mortar is pre-mixed, only a little additional

mixing may be required for the mortar to become fully "workable".

Additional mixing can be undertaken using a conventional drum mixer, spade or hand trowel.

Traditional lime (putty) based mortars are slow setting and are therefore susceptible to frost damage during the early stages of set. Historically, work to the exterior of a building was only carried out during the spring and summer months and work during the winter months was confined to the interior of the building.

Setting times are temperature and moisture dependent. Practitioners should not be unduly worried if a "full set" takes weeks to achieve.

Protection should be given against frost, wind, rain and direct sunlight during the early setting period – hessian and/or plastic sheeting may be required.

4. Coverage (approximations only)

Fibrelime Coarse Stuff	Laying Bricks	Pointing	Backing Coat onto lath
25kg			0.83m ²
½ tonne			16.65m ²
1 tonne			33.30m ²

5. Health and Safety

Lime based mortars are classified as an irritant and are alkaline in nature (see Health and Safety Datasheet for more details).

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