

EcoRight "COARSE STUFF"

1. Identification

1.1 Introduction

EcoRight 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 soft sand. Coarse Stuff is delivered as a wet mix and is available in 1 tonne or ½ tonne IBC's and 25kg bags or tubs.

EcoRight Coarse Stuff is suitable for repairs to historic buildings, block laying, bricklaying, stonemasonry and as a backing or final coat render/plaster.

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

Aggregate grading

BS Sieve	% of sand retained	
	Sharp	Soft
>5mm	0.98	0
<5mm >2.36mm	12.75	0.35
<2.36mm >1.18mm	14.86	0.50
<1.18mm >600µ	14.70	0.98
<600µ >300µ	39.55	38.53
<300µ >150µ	14.53	53.80
<150µ >75µ	2.48	5.20
<75µ	0.15	0.64
Total	100%	100%

1.3 General Advantages

EcoRight Coarse Stuff offers several mix advantages:

- Consistent mix proportions.
- Consistent quality of mortar.
- Correct choice of sands.
- Ideal for the repair of historic buildings.
- Can be re-worked up to the point of set.
- Will keep indefinitely as long as the container is air tight and evaporation of moisture does not occur.
- Is pre-mixed so there is little or no need to re-mix or add water.
- Is breathable and enables moisture to evaporate.

2. Description

2.1 Manufacture

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

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.



2.2 Mortar applications

EcoRight Coarse Stuff is particularly relevant for the repair of historic buildings. This includes laying and re-pointing of brickwork, repair and plastering of internal walls (as a backing of finishing coat) and the repair or rendering of external walls. **EcoRight Coarse Stuff** is also highly compatible with soft building materials such as earth (cob, shuttered earth, clay block, pisé, witchert), wood, straw bale, and coppiced wood and soft brick.

The above is a guide only; if you wish to discuss a specific application in further depth, please call our sales office or speak to an authorised distributor.

2.3 Performance

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

EcoRight Coarse Stuff offers excellent vapour permeability, which enables the building to “breathe”.

3. Site Work

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

EcoRight 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”. A quick check can be carried out by placing an even spread of mortar onto the reverse side of a trowel, when the trowel is turned over (with the reverse face and mortar facing the ground), the mortar should stick to the underside and not fall away. 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)

Coarse Stuff	Laying bricks	Pointing	Backing/Floating coat Render/plaster
25kg	0.5m ²	2.9m ²	1.25m ²
0.5 tonne	10m ²	58.3m ²	25m ²
1 tonne	20m ²	116.6m ²	50m ²

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