

EcoRight SUPREME ULTRA-FINE

1. Identification

1.1 Introduction

EcoRight Supreme Ultra Fine is an ultra-fine 1:1 ratio (aggregate to lime) mortar mix using non-hydraulic (fat or pure) lime, silver sand. Supreme Ultra Fine is delivered as a wet mix.

Supreme Ultra Fine is available in 1 tonne or ½ tonne IBC's and 15 litre tubs.

EcoRight Supreme Ultra Fine is suitable for repairs to historic buildings as a topcoat/finishing plaster or for the laying or re-pointing of fine joint or gauged brickwork.

EcoRight Supreme Ultra Fine 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 Supreme Ultra Fine is an ultra-fine 1:1 ratio (aggregate to lime) mix that is gauged by volume. The aggregate is sieved silver sand that produces a very fine textured mortar that is ideal as a finishing/top coat plaster.

Aggregate grading

To Sieve	% of sand retained
>4mm	0
<4mm >2mm	0
<2mm >1mm	0
<1mm >500µ	5
<500µ >250µ	72
<250µ >125µ	22
<125µ >63µ	0.40
<63µ	0.60

Total **100%**

1.3 General Advantages

EcoRight Supreme Ultra Fine 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.
- Ideal as a finishing/top coat plaster and for fine joint or gauged brickwork.

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 Supreme Ultra –Fine is particularly relevant for the repair of historic buildings. This includes as a fine finishing coat for plasterwork and the laying and re-pointing of gauged brickwork.

2.3 Performance

EcoRight Supreme Ultra-Fine is more flexible than a cement based mortar and expansion joints are often not necessary

EcoRight Supreme Ultra-Fine is more flexible than a gypsum based plaster and has excellent vapour permeability qualities which enables the building to breathe.

3. Sitework

EcoRight Supreme Ultra-Fine is available in 1 tonne, 0.5 tonne IBC's or 15litre tubs

EcoRight Supreme Ultra-Fine 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 do add water and mix thoroughly to a putty like consistency. The mortar should stick to the underside of a trowel when at the correct consistency.

Traditional lime (putty) based mortars and plasters are slow setting due to being temperature and moisture sensitive. Practitioners should not be concerned if a "full set" takes several weeks to achieve (dependant on site conditions)

EcoRight Supreme Ultra-Fine when used as a finishing/ top coat plaster should be applied as a skim coat not exceeding 3mm. Lime putty based plasters adhere due to two processes;

- mechanical bond to the surface texture of the brickwork or preceding plaster coats
- suction, dependant on surface absorbency

If suction is not controlled and the plaster surface at the interface with the substrate is allowed to dry too quickly, adhesion will be lost and the plaster will fall away.

Before application, substrates should be dampened using a fine mist spray, this includes the brickwork and preceding plaster coats.

Once the plaster has been applied, control the drying process by dampening down with a fine mist spray. By controlling the drying and suction the longevity of the plaster is greatly increased.

Protection should be given against frost, wind, rain and direct sunlight during the early maturing period.

The application of artificial background heat to increase setting times is discouraged, unless at low temperatures (between 10-14°C) as quick drying will cause problems as outlined in the previous paragraph

4. Prices, Conditions of Sales & Supply

EcoRight Supreme Ultra Fine is only available through the authorised dealer network of Old House Store.

5. Coverage (approximations only)

Supreme Ultra Fine Finishing/Top Coat Plaster (3mm)

15lt tub	3.75m ²
½ tonne	75m ²
1 tonne	150m ²

6. 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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