

LIME PUTTY

1. Identification

1.1 Introduction

Ecoright Lime Putty is a non-hydraulic (a fat or pure) lime putty produced from high calcium quicklime (CaO) slaked and stored for 30 days minimum. Its appearance is that of a heavy sticky white mass similar to common toothpaste. It is usually packaged in an airtight manner to prevent setting and often there is excess water to separate the putty from any air in the packaging container (especially when in tubs).

Ecoright Lime Putty is available in 1 tonne or ½ tonne IBC's and 20kg tubs.

Ecoright Lime Putty is suitable for repairs to historic buildings and construction of ecologically sound modern buildings. It can be mixed with aggregates to produce Coarse and Fine Stuff mortars and special lime plasters and renders etc.

1.2 Authority

Materials used conform to the following standard:

Building Lime BS 890:1995/EN459

1.3 General Advantages

Ecoright Lime Putty is a traditional building product that offers several benefits:

- Ideal for the repair of historic buildings
- Can be reworked up to the point of set
- Will keep indefinitely as long as the container is air tight and evaporation of moisture does not occur
- Mortars made with it are breathable and enables moisture to evaporate
- Can be used as a plain or coloured lime wash

2. Description

2.1 Manufacture

Ecoright Lime Putty is manufactured in batches that are subject to regular quality control procedures.

Following production the lime putty is left to continue slaking until all the quicklime has become hydrated.

2.2 Lime putty applications

Ecoright Lime Putty is a constituent product of lime mortars, plaster and renders.

It can be used in stone repairs, repointing and plastering preparation when mixed with the appropriate aggregates.

Ecoright Lime Putty can also be used as a constituent for lime wash.

2.3 Performance

Ecoright Lime Putty matures and improves with age if kept in sealed containers with a covering of water. It should be protected from heat and frost. Properly stored lime putty should not deteriorate in any way regardless of length of time stored.

Non-hydraulic limes do not perform as gypsum plaster and modern cementitious materials. Limes set by reacting with the atmospheric CO₂ in the presence of moisture. This carbonation is a slow process and control of drying and setting is important to the long term performance and appearance of this product.

3. Sitework

Ecoright Lime Putty can be delivered to site in either 1 tonne or ½ tonne IBC's and 20kg tubs.

Ecoright Lime Putty is fully slaked and does not require sieving. Any excess water present in the container should be treated carefully as it will contain some lime putty in suspension and this is a highly caustic alkali. Careful removal and storage of this water is recommended so that it can be re-introduced after partial use of the putty to act as an evaporation barrier. Insignificant quantities of putty that may have set due to premature exposure can be included with other aggregates when mixing up mortars and plasters without detriment.

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Traditional lime putty based mortars and plasters are slow setting due to being temperature and moisture sensitive. Practitioners should not be unduly worried if a "full set" takes weeks to achieve.

Protection of mortars, plasters and renders should be given against frost, wind, rain and direct sunlight during the early setting period – hessian and/or plastic sheeting may be required. The application of artificial background heat to increase setting times is discouraged, unless low temperatures (between 10-14oC) as quick drying will cause problems. You should refer to appropriate product guides to be familiar with the potential problems that may arise from incorrect use.

4. Prices, Conditions of Sale & Supply

Ecoright Lime Putty is only available through the authorised dealer network.

5. Health and Safety

Lime putty is classified as an irritant and is alkaline in nature (see Health and Safety Datasheet for more details).