

ECOCORK LIME

NATURAL HYDRAULIC LIME RENDER WITH CORK INCORPORATION

1. DESCRIPTION

ECOCORK LIME is a lightweight plaster/stucco formulated with Natural Hydraulic Lime (NHL), cork, calcium aggregates and other natural ingredients.

With the incorporation of cork and the exclusive use of a Natural Hydraulic lime binder in the formulation, *ECOCORK LIME* fits into a new level of sustainable construction products with an ecological feature. Simultaneously, this mortar contributes to the improvement of the thermal and acoustic insulation of the constructive elements where it is applied.

ECOCORK LIME may be applied traditionally by hawk and trowel or stucco sprayer to the interior or exterior.

2. APPLICATIONS

ECOCORK LIME is a lightweight interior/external plaster suited for walls and ceilings, where improved thermal and acoustic performance is desired. This is a typical two coat application.

ECOCORK LIME should be applied over a basecoat/scratch coat of plaster, porous solid structure masonry walls, and can be used on wood lathe with the addition of horse hair. Installation over concrete or cinder blocks walls usually requires metal lathe. We recommend a mock-up for every application.

It is typically used as an insulating plaster in historic restoration where an R value is desired.

3. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Color when dry	Grey	-
Paste product	Value	Standard
Mixing water	49,0 % ± 1,0 %	-
Coverage	20 ft ² /bag/1/2" thick	-
Hardened Product	Value	Standard

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Flexural strength (28 days)	0,5 N/mm ²	EN 1015-11
Adhesion to brick and block / Mode of fracture	≥ 0,1 MPa/B	EN 1015-12
Density	600 ± 150 kg/m ³	EN 1015-10
Capillarity	Class W1	EN 1015-18
Permeability to vapor	≤ 15 μ	EN 1015-19
Reaction to fire	Class B-s1-d0	EN 12667
R- Value per Inch	1.6	

4. APPLICATION

a) Substrate preparation

Substrates should be free from dust, release agents, loose or unstable materials, efflorescence, as well as from any type of material which affects normal adhesion conditions.

In hot or dry weather, the substrate should be saturated with water. Do not install in rain.

Outside corners and door openings it is advisable to avoid outside corners made with just plaster. Use wood trim strips or guards etc.

When plastering on uneven masonry surfaces level the surface using a basecoat of lime plaster before applying *ECOCORK LIME*.

It is the responsibility of the installer to determine if the substrate is stable enough to hold the *ECOCORK LIME*.

b) Preparation of mixture

Add water at a ratio of 1 1/4 to 1 3/4 gallons of water per bag. Mix thoroughly.

c) Application

To minimize cold joints, walls should be completed in one installation. Cold joints should be resumed within a maximum period of 12 hours.

After application of the mortar and before it has set, plaster should be compressed with an appropriate wooden float.

ECOCORK LIME Plasters should be reinforced in areas prone to cracking such as in the transition of different types of substrate materials, gaps, interior/exterior corners, door and window openings, and thin substrates.

Use hair or fiberglass mesh as needed.

Avoid direct contact with the soil.

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d). Thickness

Install in half inch thick layers. In thicknesses greater than 2 1/2" layers should be reinforced with hair or fiberglass mesh. Each layer should be identical in thickness. Each additional layer should be applied after the first one is set, but before it has totally dried.

e). Limitations

ECOCORK LIME should be applied at room temperature. Do not apply at temperatures below 41° F or above 86° F. It's curing time is 28 days.

The substrate must be thoroughly wetted before installing especially in hot and dry weather. The mixing water must be free of any impurities (clays, organic matter, chlorine, etc.) and potable water is preferred. Should not be installed in the rain. Should be protected from strong winds especially in hot dry weather which will cause the plaster to dry too quickly. In such cases the walls should be protected as to minimize the effect of the wind. *ECOCORK LIME* is not a final finish. We recommend installing a finish coat of plaster to the desired texture.

No mortar that has started its setting process should be applied. Do not re temper mortars by adding water. Do not add any other products to the mortar. *ECOCORK LIME*, should be applied as it is shown in its original packaging.

5. PACKAGING

14 kg (30.8 pound) paper bags in plasticized pallets of 54 bags.

Expiration

12 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

6. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

- Irritating to eyes, respiratory system and skin.
- May cause skin irritation.
- Do not breath dust. Wear a mask.
- Avoid contact with skin and eyes
- In case of eye contact, rinse immediately and thoroughly with water and seek medical attention.
- Use protective clothing and appropriate gloves.
- Keep out of reach of children.

Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.

Revision of July 2020 FT 12004.02 EN