

# Revex-cal E

## Thixotropic lime mortar

Lime mixture with thixotropic properties, natural hydraulic lime, hydrate lime with high calcium content, organic and inorganics additives.



### Product

- Ecologic and natural 100%.
- Setting by chemical reaction of its components.
- For decorates and reliefs.
- Very light.
- Good adherence and thixotropic.

### Observations

- Do not add any additive to the mortar.
- On absorbent or porous surfaces and in a strong heat season moisten before applying the product.
- Treat the singular zones (fissures...) with glass fiber mesh.
- The dry time will oscillate depending on the existing temperature and humidity.

### Characteristics

- Minimum thickness per layer: 10 mm
- Minimum thickness finish: 50 mm

### Performances

- Dust density: 1025 kg/m<sup>3</sup>
- Kneading water (in laboratory): 29%
- Density in mass: 1500 kg/m<sup>3</sup>
- Flexural strength:  $\geq 2.5$  N/mm<sup>2</sup>
- Compression:  $\geq 5$  N/mm<sup>2</sup>
- Reaction against fire: Euroclass A1

*\* These results have been obtained in standard conditions and they can oscillate depending on the workplace conditions.*

### Enforcements

- Thixotropic lime mortar for natural materials reproduction and recuperation of deteriorated volumes in historical patrimony works.
- This mortar has qualities that cannot be obtained with cements or artificial limes.
- Indoors and outdoors.

### Supports

- Over brick enclosure, rough rendering, concrete block without water-repellent.

### Enforcement tips

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with frost risk, with direct insolation, strong wind...
- Protect the mortar with direct sun and from the wind during its application and the following 12 hours.

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## Execution conditions

- Clean the support eliminating any dust remains, liquids, spillings, etc. In addition, eventual efflorescence wastes have to be eliminated and any other substance that can damage a good adherence to the support.
- Saturate the support with water at low pressure, to impede that this support absorbs the mixture water.
- An insufficient saturation could imply adherence losses and the cracks appearance in the mortar.
- Hydrates carbonation in contact with the atmospheric carbonate dioxide increases the resistance and the durability.
- Over metallic mesh support, it is recommended a previous layer application.
- Its mechanical resistance will be increasing progressively during the whole life.

## Usage way

### Manual kneading:

Mix a (25 kg) sack with 7 – 8 clean water liters with a mechanic whisk with low revolutions, until obtaining a homogeneous mass and without lumps.

### Projected with machine:

Knead between 29 - 30% clean wat

- Apply the mortar until obtaining the desired thickness, minimum 10 mm. Even and smooth in order to obtain a good flatness.
- Once the necessary hardening is obtained, effect the desired finish sculpture, molding, textured...

*\*The times can considerably oscillate depending on the ambient temperature.*



## ⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.



## Packaging

25 kg sack  
1200 kg pallet (48 sacks)

## Color

60 color chart

## Consumption

12 – 13 kg/m<sup>2</sup> and mm thickness

*\*These consumptions can oscillate depending on the support and the coats number.*

## Preservation

It contents hydraulic lime (setting with humidity).