

Revex-cal R300 thermo

Lightened and projectable lime mortar

Natural hydraulic lime (NHL), hydrate lime with calcium high content (CL-90-S), silica sand, crystalized calcite, lighten minerals, inorganic pigments and compounds by silica particles.



Product

- Ecologic and natural 100%.
- Very lighten.
- Fungicidal and bactericidal properties
- Reduced content in soluble salts.
- Elevated permeability to water steam.

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

- Recommended thickness per layer: 10 mm
- Minimum thickness after the kneading: 10 mm

Performances

- Dust density: 950 ± 25 kg/m³
- Water kneading (in laboratory): 37%
- Density in mass: 1330 ± 25 kg/m³
- Thermal conductivity (UNE 92202 / UNE EN12667:2002): $\lambda=0.220 \text{ W/m} \cdot \text{K}$
- Reaction against fire: Euroclass A1
- Classification: OC-CSII-W2

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

Enforcements

- Lighten and projectable lime mortar, as monolayer revoke for facades decoration and termination.
- Indicated for new construction, rehabilitation in which mortars with traditional characteristics and protection in front of rainwater.
- This mortar has qualities due to its low thermal conductivity, it acts as thermal regulator keeping the temperature more stable of the materials that it coats.
- Indoors and outdoors.

Supports

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

Recommendations

- Application temperatures 5°C to 35°C.
- Respect always the same water percentage during the mixture.
- Do not add water to the product after the kneading.
- Respect the existing base expansion joints, mortar, ceramic...
- Do not apply with rain risk, frost risk, with direct insolation, strong wind...

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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.
- Its mechanical resistance will be increasing progressively during the whole life.

Usage way

Manual kneading:

Mix a (23 kg) sack with 8-9 liters clean water liters with a mechanic whisk with low revolutions, until obtaining a homogeneous mass and without lumps.

Projected with machine:

Knead between 37-38% clean water.

- 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 reached, complete the desired finish, textured, scraping, troweled, smooth...

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



⚠ IMPORTANT

The observations and prescriptions of this technical sheet, even corresponding to our best experience, should be considered, in any case, purely indicative, and must be tested by exhaustive practical applications; Therefore, before using the product, whoever is going to do it must establish whether it is suitable for the intended use, and assumes any responsibility that may arise from its use. Once the product is handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.



Packaging

23 kg sack
1242 kg pallet (54 sacks)

Color

White (Others on demand)

Consumption

9 - 10 kg/m² and cm thickness

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

Preservation

It contents hydraulic lime (setting with humidity)