

1. DESCRIPTION

REABILITA CAL AC FINO is a dry mortar based on Natural Hydraulic Lime, specially developed for smooth finishes in renovation and restoration solutions for old coatings.

Its formulation incorporates carefully selected fine siliceous and calcareous aggregates and additions that provide excellent thixotropic properties, water vapour permeability and durability properties, making it particularly suitable for coating restoration systems.

2. FIELD OF USE

REABILITA CAL AC FINO is a finishing mortar developed for the conservation and restoration of buildings, providing smooth surfaces for interior and exterior coatings of old constructions. Its formulation, based on Natural Hydraulic Lime, guarantees adequate water vapour permeability, which is essential for the durability and preservation of buildings.

Due to its special composition, this product has excellent physical, chemical and mechanical performance, ensuring an effective bond with the various materials present in traditional substrates.

As part of the **REABILITA CAL** range, **REABILITA CAL AC FINO** represents the final stage of the restoration system, offering a smooth, homogeneous finish that respects the authenticity and requirements of historic buildings.

As there are specific situations in each restoration job, our Technical Services should be consulted when selecting the product.

3. PRODUCT CHARACTERISTICS

Powdered product	Value
Aspect	Beige powder
Granulometry	< 0,5 mm
Paste product	Value
Mixing water	55,0 ± 1,0 %
Theoretical consumption	0,75 kg/m ² /mm
Maximum thickness per layer	1 mm
Maximum thickness	2 mm
Waiting time between layers	Around 4 hours
Waiting time before painting	14 days
Waiting time to apply water repellent	7 days

Recommended waiting times refer to the application of the product under standard temperature and humidity conditions.

4. APPLICATION

a) Substrate preparation

Substrates prepared with **REABILITA CAL AC** mortar, trowelled and hardened are ready to receive **REABILITA CAL AC FINO**.

REABILITA CAL AC FINO should be applied on **REABILITA CAL AC** surfaces while still fresh, but sufficiently hardened to receive this kind of finish, however, when applying this smooth finish, we do not recommend sponging the previous coat of **REABILITA CAL AC**.

b) Mortar preparation

REABILITA CAL AC FINO should be mixed with the appropriate quantity of water (9,5 to 10,0 litres per 18 kg bag), in small quantities and using an electric mixer.

The mixture should be done gradually using an electric mixer, mixing in order to allow a careful distribution of the **REABILITA CAL AC FINO** for 2 minutes, then pausing for 3 minutes to stabilize the mixture. The kneading process should be finished with a new mixture for another 2 minutes, to obtain an uniform and lump-free paste.

c) Application

Apply **REABILITA CAL AC FINO** with a metal trowel to obtain a smooth and homogeneous film in order to fill all surface pores of the mortar already applied.

The second layer should be applied when the first one is hardened, followed by the number of coats needed to obtain a perfectly smooth texture, never exceeding a total thickness of 1-2 mm.

Prior to the paint application with a water-based paint, let **REABILITA CAL AC FINO** dry for at least 14 days. The painting scheme to be carried out should be of silicate base or aqueous base with good water vapour permeability.

If **REABILITA CAL AC FINO** is applied in colour, a water-repellent protection layer must be applied with **B-REPARA PROTEÇÃO AD40**. This water repellent does not compromise water vapour permeability as it does not create a film on the surface, allowing the wall to maintain adequate water vapour permeability. In addition, the product does not alter the final colour of the finish, maintaining the original aesthetics of **REABILITA CAL AC FINO**.

d) Restrictions

REABILITA CAL AC FINO should not be applied at room and substrate temperatures below 5 °C and above 30 °C. It has a curing period of 28 days.

In hot and/or dry weather or when substrates are directly exposed to sunlight, the substrate should be previously wetted and application should only be started when it is dry.

Under these conditions daily watering of the surfaces should be carried out, for one week, so as to keep renders permanently moist.

Application in the presence of strong winds may cause render cracking. In such case, walls should be protected so as to minimize the effects of wind action.

e) Complementary Advices

The mixing water should be free of any impurities (clays, organic matter) and drinking water should be preferably used; No mortar that has exceeded its open time should be applied. Do not soften mortars by adding water after preparation. Do not add any other products to the mortar. **REABILITA CAL AC FINO** should be applied as it is shown in its original packaging.

5. PACKAGING AND VALIDITY

Packaging

18 kg paper bags in plasticized pallets of 60 bags.

Validity

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 sensitization in contact with skin;
- Do not breathe dust;
- Avoid contact with skin and eyes;
- If it comes in contact with eyes, rinse immediately and thoroughly with water and seek a specialist advice;
- Use protective clothing and appropriate gloves;
- Keep out of children's reach.

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 February 2025
FT.03004.05 EN