

1. DESCRIPTION

REABILITA CAL AC PURE is a dry mortar, exclusively formulated from Natural Hydraulic Lime, intended for the execution of finishes with excellent permeability to vapour ideal for renovation and rehabilitation solutions of old coatings.

This finish mortar, based on lime, has got photo-catalytic properties enabling, in the presence of sunlight, dissociation of dirt, fungi and other organic and inorganic compounds present in the atmosphere, keeping surfaces clean and contributing to the reduction of atmospheric pollution.

In addition to these properties, the use of lime in its production makes it possible to associate traditional lime characteristics, such as, high compatibility with old substrates and excellent durability, being ideal for rehabilitation, especially in areas whose effects of deposition of dust and pollution are more notorious, such as urban environments. These self-cleaning and decontamination features allow to reduce the need for maintenance.

2. FIELD OF USE

REABILITA CAL AC PURE is used as a finish in the maintenance and rehabilitation of buildings, namely when external coatings of old building facades are intended to be recovered, that require high levels of water vapour permeability.

REABILITA CAL AC PURE constitutes the final stage of the rehabilitation scheme of **REABILTA CAL** range.

REABILITA CAL AC PURE may also be used on old renders provided that they have the appropriate physical and mechanical maintenance conditions. It may also be applied in other coating systems, namely **ECOCORK RENDER** and **ECOCORK LIME**.

Since these are specific situations in each rehabilitation work, our Technical Services should be consulted at the time of product selection.

3. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Granulometry	< 1,0 mm	-
Paste product	Value	Standard
Mixing water	50,0 ± 1,0 %	-
Theoretical consumption	1,15 kg/m ² /mm	-
Hardened product	Value	Standard
Compressive strength	Class CS II	EN 1015-11

Adhesion to brick and block / Mode of fracture	≥ 0,2 MPa / A and B	EN 1015-12
Modulus of elasticity	1750-2250 N/mm ²	BS 1881-5
Density	1200 ± 150 kg/m ³	EN 1015-10
Capillarity (24h)	≥ 0,3 kg/m ²	EN 1015-18
Permeability to water vapour μ	≤ 15	EN 1015-19
Water penetration after capillarity test	< 5,0 mm	EN 1015-18
Reaction to fire	Class A1	EN 988-1
Thermal conductivity	0,45 W/(m.K) (P=50%)	NP EN 1745

4. APPLICATION**a) Substrate preparation**

Substrates prepared with *REABILITA CAL RB* mortar are ready to receive *REABILITA CAL AC PURE*.

In case of direct application on another type of render, the latter should be regular, cohesive, clean and without any type of material that affects the normal adhesion conditions.

b) Mortar preparation

REABILITA CAL AC PURE should be mixed with the appropriate quantity of water (5,0 to 5,5 litres per 25 kg bag), in small quantities and using an electric mixer, so as to obtain a uniform and lump-free paste. Strict control of the mixing water is fundamental and decisive to ensure uniformity of mortar mix.

c) Application

After mixing, *REABILITA CAL AC PURE* should be applied in two successive layers. Total thickness of the coating should not exceed 2 mm.

Work joints should be resumed within a maximum period of 12 hours. So as to minimize work joints, complete panels should be carried out, whenever possible.

REABILITA CAL AC PURE

NHL BREATHABLE FINISH WITH PHOTO-CATALYTIC PROPERTIES

REABILITA CAL AC PURE final surface should be trowelled and finished as a polished-type or sanded finish.

To obtain the sanded finish, apply the "sponge" technique to the surface.

To obtain the polished finish, smooth the surface by using a metal trowel. In this application process the necessary care should be taken, using the appropriate techniques to ensure a uniform and continuous appearance, eliminating creases or other imperfections.

In render repair or in rehabilitation schemes that require the execution of large thicknesses in the renders, the incorporation of *ISOVIT REDE 160* glass fibre mesh with anti-alkali treatment should be provided for over the first layer while still fresh of *REABILITA CAL AC PURE*.

With *REABILITA CAL AC PURE* painting is not needed and its exposure to the sun is essential for the development of its decontaminating and self-cleaning characteristics.

d) Restrictions

REABILITA CAL AC PURE 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 PURE* should be applied as it is shown in its original packaging.

5. PACKAGING AND VALIDITY

Packaging

25 kg paper bags in plasticized pallets of 48 bags.

Validity

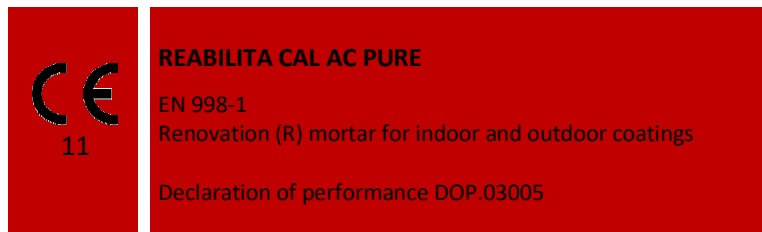
6 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

NHL BREATHABLE FINISH WITH PHOTO-CATALYTIC PROPERTIES

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.

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