

REABILITA Cal Reboco

FILLING RENDER BASED ON NATURAL HYDRAULIC LIME

TC.E.061.2 EN

1. DESCRIPTION

REABILITA Cal Reboco is a dry mortar, exclusively formulated from natural hydraulic lime. It incorporates thoroughly selected siliceous and calcareous aggregates and additives, having particular thixotropic properties, adhesion, chemical resistance and durability specifically adapted for the intended use.

REABILITA Cal Reboco is suited for sprayed application. However it can be manually applied.

2. FIELD OF USE

REABILITA Cal Reboco was specially conceived for conservation and rehabilitation of buildings and is suited for coatings of old or new masonries.

REABILITA Cal Reboco is applied as filling and leveling layer on old substrates consolidated with **REABILITA Cal Consolidação**, or directly on the substrates when these present appropriate physical and mechanic conditions. Thus, **REABILITA Cal Reboco** can be applied on concrete and masonries of ceramic bricks, on concrete blocks or on stone masonry.

The exclusive use of the Natural Hydraulic Lime binder and its special composition, results in an excellent compatibility with the old substrates where, apart from the physical and mechanic compliance, there is also a high chemical compatibility.

3. PRODUCT CHARACTERISTICS

POWDERED PRODUCT	VALUE	STANDARD
Granulometry	< 3,5 mm	-

PASTE PRODUCT	VALUE	STANDARD
Mixing water	19,5 ± 1,0 %	-
Air contained	25,0 ± 5,0 %	EN 1015-6
Theoretical consumption	14,0 kg/m ² /cm	-

HARDENED PRODUCT	VALUE	STANDARD
Compressive strength	Class CS II	EN 1015-11
Adhesion to brick and block/Modulus of fracture	≥ 0,2 MPa / A and B	EN 1015-12
Modulus of elasticity	2000-4000 N/mm ²	BS 1881-5
Density	1400 ± 100 kg/m ³	EN 1015-10
Capillarity (24h)	≥ 0,3 kg/m ²	EN 1015-18
Permeability to water vapor 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	0,47 W.(m/K) (P=50%)	NP EN 1745

4. APPLICATION

Preparation of substrates

Substrates prepared with **REABILITA Cal Consolidação** are able to receive **REABILITA Cal Reboco**.

In case of direct application on masonry substrates, these should be cohesive and clean, without any type of material affecting normal adhesion conditions.

Preparation of mortar

REABILITA Cal Reboco should be mixed in spraying equipment with product pre-mixing.

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In equipment without automatic water dosing, mix **REABILITA Cal Reboco**, in the proportion of 4,5 to 5,0 liters of water for each bag of 25 kg.

In equipment with automatic water dosing, adjust to the minimum water flow to get a good workability.

Application

For the application, use the good practices related to execution of renders of sprayed application, anticipating the tightening of the mortar, the trowel operation, the use of reinforcements with glass fiber net in stress concentration points, such as transition of substrates, span vertices, wall corners, etc., among other important cautions for the success of the application. In smooth concrete substrates proceed the same way. However you must apply immediately before an adhesion bridge using **SeciTEK AD 90**.

It is not recommended to make layers with thicknesses above 2,0cm or below 1,0cm.

The surface of **REABILITA Cal Reboco** should be finished with the traditional technique of trowelling, preparing it to receive the finish layer with **REABILITA Cal Acabamento**.

Because there are specific situations in each work of rehabilitation, we advise the consultation of our Technical Services prior to the selection of the products.

Restrictions

REABILITA Cal Reboco should not be applied in room and substrate temperature below 5°C and above 30°C. It has a curing time of 28 days.

In hot and/or dry weather, or in case of substrates exposed to the direct action of solar rays, previously wet the substrate beginning the application when it looks dry.

In these conditions, proceed with daily watering of the executed surfaces, for one week, to keep the renders permanently wet.

In the presence of strong wind, the application may cause cracking in the render. In this case, protect the walls to minimize the effects of the wind.

Further advice

- ▶ The mixing water should be free of any impurities (clay, organic matter), and preferably drinkable;
- ▶ Do not apply any mortar that has already started the setting process. Do not weaken the mortars by adding water, after preparation;
- ▶ Do not add any other products to **REABILITA Cal Reboco**. It should be applied as it is presented in its original packaging.

5. PACKAGING AND VALIDITY

Packaging

Paper bags of 25kg in plasticized pallets with 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. RELATED PRODUCTS

- ▶ **REABILITA Cal Consolidação**
(Mortar for consolidation and roughcast of old masonries)
- ▶ **REABILITA Cal Acabamento**
(Breathable mortar for finishing)
- ▶ **Line of products REABILITA**
(Products for rehabilitation/renovation)
- ▶ **SeciTEK AD 90**
(Single-component adhesion bridge)

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7. HEALTH AND SAFETY

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

- ▶ Irritating to eyes, respiratory system and skin;
- ▶ May cause sensitization by skin contact;
- ▶ Do not breathe dust;
- ▶ Avoid contact with skin and eyes;
- ▶ In case of contact with eyes, rinse immediately and abundantly with water and seek medical advice;
- ▶ Wear protective clothing and appropriate gloves;
- ▶ Keep out of children's reach.

Being in 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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REABILITA Cal Reboco

EN 998-1:2010

Mortar for renovation (R) for internal and external coatings

Declaration of performance TC.E.0986