

REABILITA CAL FX

HIGH ABSORPTION MORTAR FOR LAYING OLD TILES

1. DESCRIPTION

REABILITA CAL FX is a pre-dosed mortar, made exclusively from Natural Hydraulic Lime (NHL), siliceous aggregates and additions, specially developed for laying and grouting traditional tiles in restoration work.

REABILITA CAL FX is available in beige, the natural colour of Natural Hydraulic Lime (NHL).

2. FIELD OF USE

REABILITA CAL FX has been specially developed for laying traditional tiles, respecting the particular characteristics of this practise and guaranteeing maximum compatibility with the original materials in restoration work.

REABILITA CAL FX is preferably applied to lime-based mortars, for example, substrates treated with **REABILITA CAL RB**, **REABILITA RA 01** and **BECORK LIME**.

REABILITA CAL FX is suitable for laying and grouting traditional tiles with high absorption (Porosity: $E > 10\%$) on interior and exterior walls and ceilings.

REABILITA CAL FX is suitable for full repairs to tiled cladding or for spot repairs to areas where parts of the substrate are detached.

For non-standard applications or special circumstances you are advised to contact our Technical Service.

3. PRODUCT FEATURES

Powder product	Amount
Colour	Beige
Grade	<1.0 mm
Paste product	Amount
Mixing water	29% ± 2%
Hardened Product	Amount
Initial tensile adherence	≥ 0.4 N/mm ²
Capillarity absorption	Wc1
Water vapour permeability	μ < 7
Tensile adherence after immersion in water	≥ 0.5 N/mm ²
Reaction to fire	Class A1
Thermal conductivity	0.45 W/m.K

4. APPLICATION

a) Preparation of substrates

Before the laying scheme is applied, it is crucial to assess the substrate, paying particular attention to adherence, cohesion, stability and levelling. It must be free of dirt, dust, paint, loose or unstable materials, degraded mortar, efflorescence, organic matter or any other material that could reduce adherence conditions.

In restoration work, the adherence of existing tiles should be checked with a percussion test, removing any that are unstable.

If the tiles have been removed, they should be dry-cleaned by brushing or air-jet with moderate pressure, removing impurities or any substances that reduce the adherence of the new mortar.

Any areas of plaster that do not present the appropriate conditions of cohesion, adherence and resistance must be removed in their entirety and subsequently regularised with **REABILITA CAL RB** and **REABILITA CAL CS**.

In excessively dry and hot weather or on highly absorbent substrates, the substrates should be watered before application to control absorption and wetting, without liquid water remaining on the surface.

The final surfaces must be obtained by trowelling without the use of water in this procedure, as this could weaken the surface.

b) Preparation of the mixture

REABILITA CAL FX should be mixed with 6.75 to 7.25 litres of clean water (preferably drinking water) per 25 kg bag, using a low-speed electric mixer, until a smooth, lump-free paste is obtained.

Leave the mixture to stand for 5 minutes and mix again without adding water or more product.

c) Application - Laying

The ceramic tiles must first be moistened with water to prevent the mortar from separating.

Apply the mortar to the wall and the back of the tile with a stainless steel trowel, double-bonding to ensure that the entire surface is filled without voids. The tile must be positioned using a rubber hammer.

Lay the tiles in small areas suitable for the temperature and humidity conditions.

Periodically check the effectiveness of the laying technique by removing a piece that has already been glued down to check that the back of the piece and the substrate have been correctly covered with mortar.

Do not proceed with laying when the open time has passed, which is confirmed by the appearance of a film of a different colour on the surface of the mortar.

d) Application - Filling joints

REABILITA CAL FX mortar is applied with a rubber trowel, spreading the mixture diagonally across the tiles.

Press the trowel to completely fill the joint and remove any excess. Excess mortar should be wiped off with a cleaning trowel or a slightly damp sponge, always using clean water.

Once the product is completely dry, carry out a general clean with a damp sponge and then remove excess dust with a dry cloth.

e) Consumption

Theoretical consumption	Laying method
	Double bonding
No. 6 notched trowel	5.0 to 6.0 kg/m ²

f) Restrictions

REABILITA CAL FX must never be applied in isolated portions, but rather covering the entire substrate and the back of the ceramic tile to be bonded.

Do not apply **REABILITA CAL FX** on paint, varnish or other substrates with low absorption/porosity.

REABILITA CAL FX must not be applied when the relative humidity exceeds 70% or when the ambient and/or substrate temperature is below 5°C or above 30°C. Bonding or grouting should not be carried out outdoors in adverse weather conditions, such as rain, strong winds or intense sunlight, during or within 24 hours of application.

In cases of exposure to wind, the façades should be protected to minimise influence.

g) Complementary advice

- The mixing water must be free of impurities (clay, organic matter) and must be of drinking quality;
- Any mortar that has exceeded its open time must not be applied. Do not soften the mortar by adding water after preparation.
- Do not add any other products to the mortar, **REABILITA CAL FX** should be applied as it is presented in its original packaging.

5. PACKAGING AND VALIDITY**Packaging**

Plastic pallets of 60 x 25kg paper bags.

Expiry

12 months, provided the original packaging conditions remain unchanged and in storage conditions, protected from extreme temperatures and humidity.

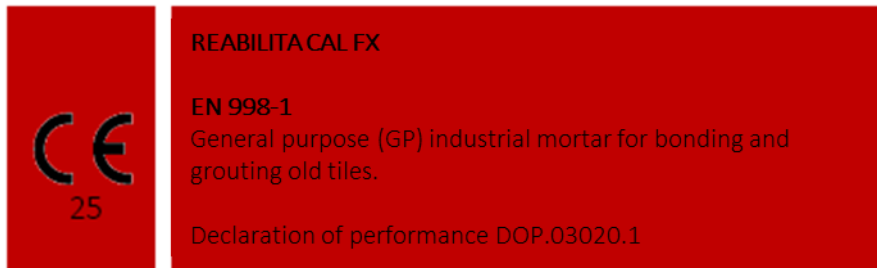
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6. HYGIENE AND SAFETY

(DOES NOT PRECLUDE THE PRODUCT SAFETY DATA SHEET)

- Causes skin irritation;
- Causes serious eye damage;
- May cause respiratory irritation;
- If you need to see a doctor, show them the packaging or label;
- Keep out of reach of children;
- Wash thoroughly after handling;
- Wear protective gloves/protective clothing/eye protection/face protection;
- Dispose of the contents and/or the container using the separate collection system in force in your municipality.



Since the conditions of application of our products are out of our control, we cannot be held responsible for their incorrect use. It is the customer's responsibility to verify the suitability of the product for its intended purpose. In any case our liability is limited to the value of the goods provided by us. The information contained in this factsheet may be changed without notice. In case of doubt, and should you require further clarification, we recommend you contact our technical services.

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