

# REABILITA CAL RB

FILLING PLASTER MADE EXCLUSIVELY WITH NATURAL HYDRAULIC LIME

## 1. DESCRIPTION

**REABILITA CAL RB** is a dry mortar made exclusively from natural hydraulic lime. It incorporates carefully selected siliceous and limestone aggregates and additives, and has thixotropy, adherence, chemical resistance and durability properties that are particularly suited to its intended function.

**REABILITA CAL RB** is designed for sprayed application, but can also be applied manually.

## 2. FIELD OF USE

**REABILITA CAL RB** has been specially designed for the conservation and restoration of buildings and is intended for coating existing masonry or new construction. **REABILITA CAL RB** is applied as a filling and regularisation layer on old surfaces consolidated with **REABILITA CAL CS** or directly on surfaces when they have the appropriate physical and mechanical characteristics. Thus, **REABILITA CAL RB** can be applied to concrete and ceramic brick, concrete block or stone masonry.

The exclusive use of the Natural Hydraulic Lime binder and its special composition results in excellent compatibility with old surfaces, where in addition to physical and mechanical compatibility, high chemical compatibility stands out.

## 3. PRODUCT FEATURES

Powder product	Amount	Standard
Grade	<3.5 mm	-
Paste product	Amount	Standard
Mixing water	18.0 ± 1.0 %	-
Theoretical consumption	17.0 kg/m <sup>2</sup> /cm	-
Hardened Product	Amount	Standard
Compressive strength	CS Class II	EN 1015-11
Adherence to brick and block / Fracture mode	≥ 0.2 MPa / B	EN 1015-12
Elasticity Modulus	≤ 2.5 GPa	BS 1881-5
Density	1450 ± 150 kg/m <sup>3</sup>	EN 1015-10

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Capillarity (24h)	$\geq 0.3 \text{ kg/m}^2$	EN 1015-18
Permeability to water vapour	$\mu \leq 15$	EN 1015-19
Water penetration after capillarity test	$\leq 5.0 \text{ mm}$	EN 1015-18
Reaction to fire	Class A1	EN 998-1
Thermal Conductivity	$0.61 \text{ W/(m.K)} (P=50\%)$	NP EN 1745

## 4. APPLICATION

### a) Preparation of substrates

Surfaces prepared with **REABILITA CAL CS** mortar are ready to receive **REABILITA CAL RB**.

In the case of direct application on masonry, the surfaces must be cohesive, clean and free of any type of material that would affect normal adherence conditions.

### b) Mortar Preparation

**REABILITA CAL RB** must be pre-mixed before mixing in the spraying equipment. After mixing with water, the mortar must be applied within 120 min.

In machines without automatic water dosing, mix **REABILITA CAL RB** at the rate of 4.25 to 4.75 litres of water per 25 kg bag.

In machines with automatic water dosing, set the minimum water flow rate that allows good workability.

### c) Application

The application of **REABILITA CAL RB** should make use of the good practices for spraying plasters, including the pressing of the mortar, trowelling, the use of fibreglass mesh reinforcements **REDUR REDE 115** in areas where stress is concentrated, such as support transitions, span apexes, corners, etc., among other important precautions for the success of the application.

Layers should not be thicker than 2.0 cm nor less than 1.0 cm.

**REABILITA CAL RB's** surface should be finished with the traditional trowelling technique, preparing it to receive the final finishing layer of **REABILITA CAL AC**.

As these are specificities to each refurbishment job, our Technical Services should be consulted when selecting products.

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## d) Restrictions

**REABILITA CAL RB** must not be applied at room and substrate temperatures lower than 5º C and higher than 30º C. Its setting time is 28 days.

In hot and/or dry weather or in the case of surfaces exposed to direct sunlight, the substrate should be moistened beforehand with the application starting when it is dry.

Under these conditions, the surfaces should be watered daily for a week to keep the render permanently moist.

Application in the presence of strong winds can cause cracks in the render. In this case, protect the surfaces to minimise the effects of wind.

## 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.

## 6. HYGIENE AND SAFETY

(DOES NOT PRECLUDE THE PRODUCT SAFETY DATA SHEET)

- Irritant to the eyes, respiratory system and skin
- May cause sensitivity in contact with the skin;
- Do not inhale the dust;
- Avoid contact with the skin and eyes;
- In case of contact with the eyes, wash immediately with plenty of water and consult a specialist;
- Wear suitable protective clothing and gloves
- Keep out of the reach of children.

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**REABILITA CAL RB**

EN 998-1

Renovation mortar (R) for interior and exterior coatings

Declaration of performance DOP.03002

*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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