

# REABILITA CAL RB

NATURAL HYDRAULIC LIME LEVELLING RENDER

## 1. DESCRIPTION

**REABILITA CAL RB** is a dry mortar, exclusively formulated from Natural Hydraulic Lime. It incorporates carefully selected siliceous and calcareous aggregates and additions, having particular properties of thixotropy, adhesion, chemical resistance and durability particularly adapted to the intended purpose.

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

## 2. FIELD OF USE

**REABILITA CAL RB** was specially designed for the maintenance and rehabilitation of buildings, being suitable for the levelling of old masonry or new construction. **REABILITA CAL RB** is applied as filling and levelling layer in old substrates consolidated with **REABILITA CAL CS**, or directly on the substrates when they have the appropriate physical and mechanical characteristics. Thus, **REABILITA CAL RB** may be applied to concrete and ceramic brick masonry or concrete blocks or 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 not only the physical and mechanical compatibility stands out but also the high chemical compatibility.

## 3. PRODUCT CHARACTERISTICS

| Powdered product                               | Value                       | Standard   |
|--|-----------------------------|------------|
| Granulometry                                   | < 3,5 mm                    | -          |
| Paste product                                  | Value                       | Standard   |
| Mixing water                                   | 17,0 ± 1,0 %                | -          |
| Theoretical consumption                        | 12,0 kg/m <sup>2</sup> /cm  | -          |
| Hardened Product                               | Value                       | Standard   |
| Compressive strength                           | Class CS II                 | EN 1015-11 |
| Adhesion to brick and block / Mode of fracture | ≥ 0,2 MPa / B               | EN 1015-12 |
| Modulus of elasticity                          | 1750-2250 N/mm <sup>2</sup> | BS 1881-5  |

# REABILITA CAL RB

NATURAL HYDRAULIC LIME LEVELLING RENDER

|  |                              |            |
|--|------------------------------|------------|
| Density                                  | 1500 ± 150 kg/m <sup>3</sup> | EN 1015-10 |
| Capillarity (24h)                        | ≥ 0,3 kg/m <sup>2</sup>      | 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                     | 0,61 W/(m.K) (P=50%)         | NP EN 1745 |

## 4. APPLICATION

### a) Substrate preparation

Substrates prepared with **REABILITA CAL CS** mortar are able to receive **REABILITA CAL RB**.

In the case of direct application on substrates in masonry, they should be cohesive, clean, without any type of material that affects the normal adhesion conditions.

### b) Mortar preparation

**REABILITA CAL BB** should be mixed in a projection equipment with pre-mixing of the product.

In machines without automatic dosing of water, mix **REABILITA CAL RB**, in the proportion of 4,0 to 4,5 litres of water per 25 kg bag.

In machines with automatic dosing of water, adjust the minimum water flow to allow good workability.

### c) Application

For application of **REABILITA CAL RB** the good practices used in sprayed application renders should be carried out, providing for the tightening of the mortar, the trowelling, the use of reinforcements with **SecilVit Rede 115** glass fibre mesh in stress concentration areas, such as, substrate transitions, angles of openings, corners, etc., among other cares that are important for application success.

Layers with thicknesses of more than 2,0 cm or less than 1,0 cm should not be executed.

The surface of **REABILITA CAL RB** should be finished with the traditional trowelling technique, preparing it to receive the finish with **REABILITA CAL AC**.

# REABILITA CAL RB

NATURAL HYDRAULIC LIME LEVELLING RENDER

Seeing that there are specific situations in each rehabilitation work, our Technical Services should be consulted when selecting the products.

## d) Restrictions

**REABILITA CAL RB** 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.

## 5. PACKAGING AND VALIDITY

### Packaging

25 kg paper bags in plasticized pallets of 42 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.

# REABILITA CAL RB

NATURAL HYDRAULIC LIME LEVELLING RENDER

|   |  |
|---|--|
|  | <b>REABILITA CAL RB</b><br>EN 998-1<br>Renovation (R) mortar for indoor and outdoor coatings<br><br>Declaration of performance DOP.03002 |
|---|--|

*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.*

*FT.03002.01 EN*

