

REABILITA RR 20

MORTAR FOR RENDERS REPAIRING

TC.E.024.8 EN

1. DESCRIPTION

REABILITA RR 20 is a dry mortar, formulated from mixed binders, siliceous aggregates and additives.

It is suited for the execution of repairs on hydraulic render panels, whether old or not, sufficiently hardened and adherent to the substrate.

REABILITA RR 20 suited for manual application.

2. FIELD OF USE

REABILITA RR 20 can be applied in internal or external surfaces, as it is a waterproofing mortar. Applied in thin layer (2 to 3 mm), it enables repairing of render areas that have related pathologies or finish imperfections, with the following advantages:

- ▶ No need to remove hydraulic renders, as long as they are sufficiently hardened and adherent;
- ▶ Fast execution and excellent profitability;
- ▶ Enables traditional sanded finish on the repaired surfaces.

REABILITA RR 20 is also used as finish layer in rehabilitation schemes of the line of products **REABILITA**.

3. PRODUCT CHARACTERISTICS

POWDERED PRODUCT	VALUE	STANDARD
Granulometry	< 1,0 mm	-

PASTE PRODUCT	VALUE	STANDARD
Mixing water	16,0 ± 0,5 %	-
Theoretical consumption	1,50 kg/m ² /Mm	-

HARDENED PRODUCT	VALUE	STANDARD
Compressive strength	Class CS III	EN 1015-11
Adhesion to brick and block / Modulus of fracture	≥ 0,2 MPa / A and B	EN 1015-12
Density	1450 ± 150 kg/m ³	EN 1015-10
Capillarity	Class W1	EN 1015-18
Permeability to water vapor μ	≤ 15	EN 1015-19
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 must be free of dust, disaggregate or unstable matters, efflorescence, as well as any other material that affects the normal adhesion conditions. Therefore, we recommend, whenever possible, washing the surfaces with pressurized water or brushing with wire brush.

In cracking areas of hygrothermal origin, we recommend reinforcement with glass fiber net with anti-alkaline treatment and appropriate mesh. Anyway, in case of repairs on old substrates, we advise to consult our Technical Services.

Preparation of mortar

REABILITA RR 20 should be mixed with the right amount of water (4,5 to 5,0 liters for each bag of 30 kg), in small quantities and using an electric mixer, to obtain a uniform and lump-free paste.

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Preparation of substrate



Execution of first layer



Embedding the reinforcement net



Application of the second layer



Trowelling the final surface



Obtaining a sanded finish

Application

REABILITA RR 20 should be applied with a finishing blade on hardened base render. **REABILITA RR 20** should be applied at least in two layers, no thicker than 2mm.

The recovery in construction joints should be done within 12 hours. To minimize construction joints, ensure whenever possible the execution of complete sections.

The final surface of **REABILITA RR 20** should be trowelled and subject to the "sponging" technique to obtain sanded finish.

In renders repairing or in rehabilitation schemes demanding large thicknesses on filling render, consider the incorporation of a glass fiber net on the first layer still fresh of **REABILITA RR 20** (reinforced leveling), with glass fiber net with a glass fiber rectangular mesh and with anti-alkaline treatment. This net should be properly embedded in the thickness of the first layer. Therefore, its application must be performed according to the following technical scheme:

- ▶ Apply the first layer of **REABILITA RR 20**;
- ▶ Embed adequately the reinforcing net on the layer applied, pressing it against the back of the spoon;
- ▶ Apply the second layer after the setting period of the first is complete, ensuring that it is still recent.

Painting should be carried out after 14 days and be silicate or aqueous base with good permeability to water vapor.

Restrictions

REABILITA RR 20 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 moistened.

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 exceeded its open time. Do not weaken the mortars by adding water, after preparation;
- ▶ Do not add any other products to **REABILITA RR 20**. It should be applied as it is presented in its original packaging

5. PACKAGING AND VALIDITY

Packaging

Paper bags of 30 kg in plasticized pallets with 54 bags;

Validity

6 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected



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from extreme temperature and humidity.

6. RELATED PRODUCTS

- ▶ **REABILITA RA 01**
(Mortar for consolidation and leveling of old masonries)
- ▶ **Line of products REABILITA**
(Products for rehabilitation/renovation))

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 RR 20

EN 998-1:2010

Mortar for render of general use (GP) for internal and external coatings

Declaration of performance TC.E.0929