

## RM 200

### DATA SHEET

Bio white mineral-based wall coating for exteriors and interiors



Interior/Exterior



Sack



Plastic trowel



Metal trowel

### Composition

RM 200 is a wall coating made from pure hydrated lime, hydraulic binder, marble powder, superior graded sand, water repellent material and plant-based additives to improve workability and adhesion. The special formulation and the nature of the raw materials used makes the wall perfectly breathable.

### Supply

- Special bags with moisture protection from approx. 25kg

### Use

RM 200 is used as a decorative coating for interiors and exteriors on lime-cement base coat plaster/render and on skim coats reinforced with alkali-resistant fibreglass reinforcing mesh. For exterior applications, it is recommended to use lime and cement base coat renders containing water repellent material, such as KI 7. For interior applications, it is recommended to use lime and cement base coat plasters (KB 13, KC 1, KS 9).

### Substrate preparation

The surface must be free from dust and dirt, etc. Any traces of oils, fats, waxes, etc. must be removed beforehand. Crumbly or highly absorbent substrates should be treated with an insulating primer, such as AG 15, diluted as specified on the corresponding datasheet. This treatment should always be performed also when the surface to be coated has significant differences in absorption (guide strips, trim around doors and windows, etc.) or when you want to extend the working time.

For application of the RM 200 coating, the base coat plaster/render must be smooth. For best aesthetic results on irregular base coat plasters/renders, apply two layers of material. Alternatively the base coat plaster could be levelled using our product RB 051.

### Mixing

Add the product to the corresponding amount of clean water (as specified in the Technical Data) and mix in an ordinary cement mixer or, for small quantities, by hand or using a mechanical stirrer. Mixing time must not exceed 3 minutes and the mix must be left to stand for at least 10 minutes before application. The mix must be used within 2 hours. The product is applied using a metal trowel, distributing the material in a uniform layer. The plaster is finished using a plastic trowel with circular movements.

## Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- The fresh product must be protected against frost and quick drying. A temperature of +5°C is suggested as a minimum value for application. Below this value setting would be delayed considerably, and below 0°C the fresh or partially hardened mortar may be broken up by frost.
- For application temperatures between +5°C and +10°C, to overcome the problem of mechanical strength being achieved very slowly, it is recommended to use water at a temperature of +20°C.
- When ambient temperature is above +30°C, it is recommended to use cold water.
- Aerate the rooms thoroughly after application until the mortar is completely dry, avoiding excessive changes in temperature in the rooms.
- If both colour uniformity and greater protection are required, apply a suitable paint and/or protective coating, compatible with the type of substrate.
- During the summer, on surfaces exposed to the sun, the finishing plaster should be wetted after application.
- Due to the nature of the raw materials used, uniformity of colour cannot be guaranteed between different lots of material; as a result, all the material required to finish the job must be acquired from the same batch.
- In order to limit variations in colour, a number of precautions can be taken:
  - for best aesthetic results, always apply two layers of material, the second layer one day after the first;
  - only apply the material on cured and dry plaster;
  - avoid application on surfaces in full sunlight or with strong winds;
  - avoid application in the coldest and most humid times of the year;
  - avoid applying the material on the same facade at different times;
  - avoid different product drying conditions, such as the presence of sunlight and shade on the surfaces;
  - make sure the mixing methods, mixing time and percentage of mixing water remain constant: variations in these parameters may cause differences in the product colour shades.
- avoid applying on gypsum base coat plasters/renders.

**RM 200 it must be used in its original state without the addition of foreign materials.**

## Storage

Keep dry for a period not exceeding 12 months. Once the product has expired, it must be disposed of in accordance with current legislation.

## Quality

RM 200 is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.



## Technical Data

Aggregate grading	$\leq 2 \text{ mm}$
Mixing water	27-29%
Yield	approx. $3.3 \text{ kg/m}^2$ per layer
Density of hardened coating (EN 1015-10)	approx. $1,500 \text{ kg/m}^3$
Compressive strength class after 28 days (EN 1015-11)	CSII
Capillary water absorption coefficient (EN 1015-18)	$c \leq 0.40 \text{ kg/m}^2 \cdot \text{min}^{0.5} \text{ (W1)}$
Water vapour permeability coefficient (EN 1015-19)	$\mu \leq 14$ (measured value)
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.53 \text{ W/m} \cdot \text{K}$ (tabulated value)
ANAB-ICEA Certificate of Conformity	No. EDIL.2009_001
Compliant with standard EN 998-1	GP-CSII-W1
Recycled/recovered/by-product content	The product contains some recycled/recovered/by-product. The relevant declaration is available on request.
The performance values listed above are obtained by mixing the product with 28% water in a controlled temperature and humidity environment ( $20 \pm 1^\circ \text{C}$ and $60 \pm 5\% \text{ RH}$ ).	

## Environmental sustainability certifications and protocols

GEV Classification	GEV EMICODE EC 1 <sup>Plus</sup> - very low emission
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The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: [area.tecnica@fassabortolo.com](mailto:area.tecnica@fassabortolo.com), ES: [asistencia.tecnica@fassabortolo.com](mailto:asistencia.tecnica@fassabortolo.com), PT: [assistencia.tecnica@fassabortolo.com](mailto:assistencia.tecnica@fassabortolo.com), FR: [bureau.technique@fassabortolo.fr](mailto:bureau.technique@fassabortolo.fr), UK: [technical.assistance@fassabortolo.com](mailto:technical.assistance@fassabortolo.com)).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.