RB 201

DATA SHEET

Extra-white mineral-based wall coating for exteriors and interiors

Interior/Exterior

Sack

Plastic trowel

Metal trowel

Composition

RB 201 is a wall coating made from pure hydrated lime, hydraulic binder with very low heavy metal content, marble powder, superior graded sand, special water repellents and specific additives to improve workability and adhesion. The special formulation and the nature of the raw materials used makes the wall perfectly breathable.

Supply

- Special sacks with moisture protection, approx. 25 kg

Use

RB 201 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, ...).
It can be used as a finish coat plaster/render, completing renovation cycles on masonry subject to rising damp applied using macroporous plasters/renders.

Substrate preparation

The surface must be free from dust and dirt, etc. Any traces of oils, greases, waxes, etc. must be removed beforehand. Crumbly or highly absorbent substrates should be treated with an isolating 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 the application of RB 201, the base coat plaster 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 a standard 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 mixed material 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.

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Warnings

- Product recommended for expert users.
- Always read the safety data sheet before use.
- The fresh product must be protected against frost and rapid 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 damaged 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.
- Ventilate 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.

RB 201 must be used as supplied, without the addition of any extraneous materials.

Storage

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

Quality

RB 201 is subjected to accurate and continuous checks in our laboratories. The raw materials used are rigorously selected and controlled.

Technical Data

Aggregate size	≤ 2 mm
Mixing water	27-29%
Yield	approx. 3.3 kg/m² per layer
Density of hardened coating (EN 1015-10)	approx. 1,500 kg/m³
Compressive strength class after 28 days (EN 1015-11)	CSII
Capillary water absorption coefficient (EN 1015-18)	$c \leq 0.40$ kg/m²·min$^{0.5}$ (W1)
Water vapour permeability coefficient (EN 1015-19)	$\mu \leq 8$ (measured value)
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.53$ W/m·K (tabulated value)
Compliant with standard EN 998-1	GP-CSII-W1
The performance values listed above are obtained by mixing the product with 28% water in a controlled temperature and humidity environment (20±1°C and 60±5% RH).	

Environmental sustainability certifications and protocols	
GEV Classification	GEV EMICODE EC 1^{Plus} - very low emissions

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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 verify 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, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: 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.

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