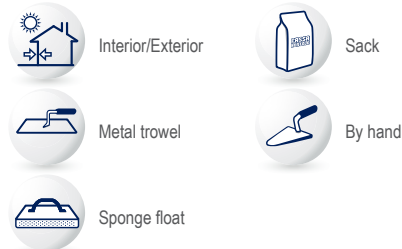




S 605

DATA SHEET

Bio white finish coat plaster, breathable and with marmorino effect, for interiors and exteriors



Composition

S 605 is a dry white plaster made from air lime, hydraulic binder, crushed marble and graded sand.

Supply

- Special bags with moisture protection from approx. 25kg

Use

S 605 is used as a breathable finish coat plaster/render with marmorino effect for interiors and exteriors. It can be used as a finish coat plaster/render, completing renovation cycles on masonry subject to rising damp applied using macroporous plasters/renders, such as the PURACALCE line comprising S 650, S 639 and S 605.

Substrate preparation

The surface must be free from dust, dirt, saline deposits 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.

Only apply S 605 on a fine float-finished base coat plaster/render.

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. Maximum mixing time 3 minutes; let the mixture stand for 10 minutes before application. The mix must be used within 2 hours.

Apply using a metal trowel, making sure to distribute a uniform layer of material; finish using a sponge float, with circular movements.

For best aesthetic results on irregular base coat plasters/renders, apply two layers of material.

If necessary (for example, on irregular substrates), it is recommended to embed alkali-resistant fibreglass mesh, such as FASSANET 160. Apply a second layer of S 605 once the first has set, and then float finish the skim coat using a sponge float.



Warnings

- Product for professional use.
- Always read the safety datasheet 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 product may be broken up by frost.
- Aerate the rooms thoroughly after application until the mortar is completely dry, avoiding excessive changes in temperature in the rooms.
- Protect the product with a suitable finish coat, which must be applied when the product has cured.
- During the summer, on surfaces exposed to the sun, the finishing plaster should be wetted after application.
- To ensure maximum breathability of the finish coat plaster/render, highly breathable products must be used for painting and coating.

S 605 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

S 605 is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

Technical Data

Specific gravity of the powder	approx. 1,300 kg/m ³
Granulometry	<0.6mm
Mixing water	27-29%
Yield	approx. 1.4 kg/m ² per mm in thickness
Density of hardened mortar (EN 1015-10)	approx. 1,500 kg/m ³
Compressive strength after 28 days (EN 1015-11)	approx. 2.5 N/mm ²
Modulus of elasticity after 28 days	approx. 3,500 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 12$ (measured value)
Capillary water absorption (EN 1015-18)	W0
Thermal conductivity coefficient (EN 1745)	$\lambda = 0.53$ W/m-K (tabulated value)
Radioactivity index (UNI 10797/1999)	$I = 0.39 \pm 0.05$
Reaction to fire	A1
Compliant with standard EN 998-1	GP-CSII-W0
Recycled/recovered/by-product content	The product contains some recycled/recovered/by-product. The relevant declaration is available on request.

Environmental sustainability certifications and protocols

GEV Classification	GEV EMICODE EC 1 ^{Plus} - 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.technica@fassabortolo.com, ES: asistencia.technica@fassabortolo.com, PT: assistencia.technica@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.