

S 605

DATA SHEET

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



Interior/Exterior



Sack



Metal trowel



By hand



Sponge float

Composition

S 605 is a white dry mortar made from air lime, hydraulic binder with very low heavy metal content, marble powder, graded sands and specific additives to improve workability and adhesion.

Supply

- Special sacks with moisture protection, approx. 25 kg

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, 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.

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 mixed material must be used within 2 hours.

Apply using a steel trowel, making sure to distribute a uniform layer of material; finish with 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 an alkali-resistant glass-fibre 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 recommended for expert users.
- Always read the safety datasheet 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 product may be broken up by frost.
- Rooms must be adequately ventilated 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 finishing render, highly breathable products must be used for painting and coating.

S 605 must be used as supplied, without the addition of any extraneous materials.

Storage

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

Quality

S 605 is subjected to accurate and continuous 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 of 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 ± 0.05
Compliant with standard EN 998-1	GP-CSII-W0

Environmental certifications and sustainability schemes

GEV Classification	GEV EMICODE EC 1 ^{Plus} - very low emissions
--------------------	---

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.