



## FASSA THERMOBENESSERE

DATA SHEET

Heat insulating plaster/render made using a hydraulic binder and lightened with polystyrene beads.



Interior/Exterior



Metal trowel



Sack



Spray



### Composition

FASSA THERMOBENESSERE is a special heat insulating dry mortar made from a special hydraulic binder, high density polystyrene aggregate and specific additives to improve workability and adhesion of the material to the substrate.

### Supply

- Special sacks with protection against moisture of approx. 6 kg

### Use

FASSA THERMOBENESSERE is used as a single-layer base coat plaster/render on brick, concrete blocks, unfinished concrete, mixed masonry walls, etc.

### Substrate preparation

The wall must be free from dust dirt, salt deposits etc.. Any traces of oils, fats, waxes, etc. must be removed beforehand. Smooth concrete substrates must be dry and treated beforehand with S 22 cement undercoat.

### Mixing

FASSA THERMOBENESSERE is applied in at least two layers, applying the second layer before the first has dried (waiting time between one layer and the next at least 30 minutes), **up to a maximum total thickness of 8 cm** and can be applied using plaster sprayers, such as FASSA, PFT, Putzknecht and the like, equipped with:

- NEW G4 mixer for insulating plaster (P/N 103605);
- D8 1.5 yellow barrel (P/N 116400) and D8 1.5 worm screw with pin (P/N 114720);
- "Rotoquiril" (P/N 118400) or "Miniturbo" remixer (P/N 118000).

For application by machine, spray the product from the bottom upwards and then level using an H-shaped or blade screed with horizontal and vertical movements so as to ensure a flat surface.

This method helps reduce possible expansion of the product due to the initial compression of the material during the spraying phase. While the product is hardening, if expansion occurs, level off the surface using a screed.

For application by hand, add 9.5 - 10.3 litres of clean water for each 6 kg sack, and mix for around 3-5 minutes. The mixing can be done with a cement mixer or, for small quantities, by hand or mechanical stirrer.

After at least 4 weeks from application of the plaster/render, apply a reinforced skim coat using S 605 or AL 88 and FASSANET 160 or FASSANET MAXI alkali-resistant fibreglass mesh.

Once the reinforced skim coat has cured, for exteriors it is recommended to apply a silicate or silicone resin system coating as a finishing layer.



## Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- The fresh render must be protected against frost and quick drying. As the hardening of the plaster depends on the hydraulic setting of the cement, a temperature of +5° C is suggested as a minimum value for application and for obtaining proper hardening of the mortar. Below this value, setting would be delayed excessively and below 0°C the fresh or partially hardened mortar could be broken up by frost.
- During the summer, on surfaces exposed to the sun, the plaster should be wetted for a few days after application.
- Application in strong winds can cause the formation of cracks and "burning" of the render. In these conditions suitable precautions should be adopted (protection of indoor spaces, application of the plaster in two layers, carefully floating the surface, etc.).
- Paint, coverings and wallpaper etc. must only be applied after the plaster has completely dried and cured.

**FASSA THERMOBENESSERE 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 the current legislation.

## Quality

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

## Technical Data

Minimum thickness	20 mm
Maximum thickness	80 mm
Granulometry	≤ 3 mm
Mixing water	approx. 160% by weight
Theoretical yield	approx. 1 sack/m <sup>2</sup> (with 40 mm thickness)
Density of hardened mortar (EN 1015-10)	155-200 kg/m <sup>3</sup>
Compressive strength class after 28 days (EN 1015-11)	CSI
Water vapour diffusion resistance factor (EN 1015-19)	μ ≤ 9 (measured value)
Capillary water absorption coefficient (EN 1015-18)	c ≤ 0.40 kg/m <sup>2</sup> ·min <sup>0.5</sup> (W1)
Thermal conductivity coefficient (EN 12667)	λ = 0.050 W/m·K
Reaction to fire (EN 13501-1)	C-S1-d0
Compliant with standard EN 998-1	T-CSI-W1
*Recycled/recovered/by-product content	* CERTIFICATION OF RECYCLED/RECOVERED/BY-PRODUCT MATERIAL CONTENT
	CP DOC 262 REGULATION
	CERTIFICATE No. P684

## 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.