

AL 88

DATA SHEET

White lightweight cement adhesive-skim coat for Fassatherm® systems



Exteriors



Sack



Silo



By hand



Metal trowel



Spray

Composition

AL 88 is a premixed adhesive made from white Portland cement, polystyrene, selected sands and specific additives to improve workability and adhesion.

Supply

- In bulk in silo
- special sacks with protection against moisture, approx. 25 kg
- * Depending on the country of destination, some sales formats may not be available

Use

AL 88 is used in external thermal insulation composite systems to bond and smooth off moulded or block-cut EPS panels and mineral rock wool panels. It is also used to embed reinforcing mesh and smooth off PIR panels.

Substrate preparation

The substrate must be free from dust, dirt etc.. Any traces of oils, fats, waxes, etc. must be removed beforehand.

Mixing

Add the product to the corresponding amount of clean water (as specified in the Technical Data) and mix by hand or using a mechanical stirrer for no longer than 3 minutes until obtaining a mixture of the desired consistency.

AL 88 can also be mixed using a horizontal mixer fixed directly to the silo (by gravity feed); for working on above ground floors, use a pressure silo with conveying and mixing system, complete with hood.

To bond the panels, apply the product across the entire surface or around the perimeter and at spots in the centre, then place the panels in a staggered arrangement, making sure that they fit together perfectly and then fix them mechanically using anchors.

Smooth off the surface, embedding alkali-resistant fibreglass mesh, certified in accordance with EAD 040016-00-0404, making sure to overlap the mesh by at least 10 cm at the joints.

As a skim-coat, AL 88 can also be applied using plaster sprayers, such as FASSA, PFT, PUTZKNECHT, PUTZMEISTER, TURBOSOL and the like.

The finish will be achieved by applying a hydro-silicone, acrylic, acryl-siloxane or silicate coating after at least 2/3 weeks.

Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- Fresh adhesive must be protected from frost and rapid drying. A temperature of +5°C is recommended as the minimum value for application and for proper hardening of the adhesive; below this value setting would be excessively delayed and below 0°C the still fresh or unhardened product would be exposed to the disintegrating action of frost.

AL 88 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

AL 88 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. 950 kg/m ³
Thickness as skim coat	5-10 mm
Granulometry	< 1.2 mm
Mixing water	32-34%
Yield as skim coat	approx. 1 kg/m ² per mm in thickness
Yield for bonding (entire surface or perimeter and spots in the centre)	2.8-5.5 kg/m ²
Compressive strength after 28 days (EN 1015-11)	≥ 3.5 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	μ = 19 (measured value)
Capillary water absorption coefficient (EN 1015-18)	W2 c ≤ 0.20 kg/m ² ·min ^{0.5}
Thermal conductivity coefficient (EN 1745)	λ = 0.31 W/m·K (tabulated value)
Compliant with standard EN 998-1	GP-CSII-W2
European Technical Approval ETA 07/0280 - ETA 09/0282 - ETA 13/0532	
Certification EPD ***	S-P-11614
(***) This product/service has a certified Environmental Product Declaration (EPD) giving information about the environmental performance, contents and recycling, which has been controlled and verified according to the requirements of the International EPD® System. More information is available at www.environdec.com .	

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, 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.