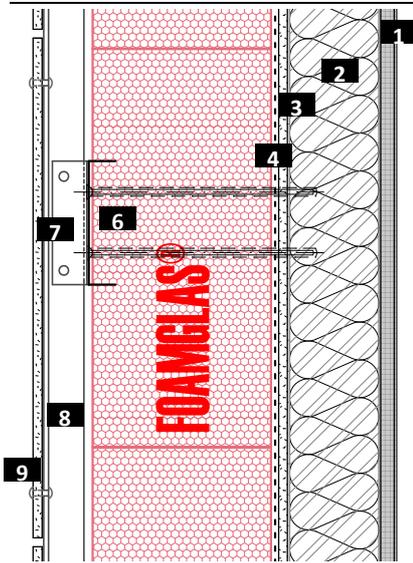


Schematic drawing

System 2.9.7



1. Internal Finishes
2. Metal wall frame with mineral insulation infill
3. Cement particle board
4. PC® 74 A1
5. FOAMGLAS®
6. Metal plates stainless steel
7. Brackets fixed through the metal plates, FOAMGLAS® and cement particle board into the metal wall frame
8. Rail system fixed to the brackets
9. Façade finishing fixed on the rail system

FOAMGLAS® product properties

Waterproof – Resistant to vermin – High compressive strength – Non-combustible – Impervious to water vapour – Dimensionally stable – Acid resistant – Easily cut to shape – Ecological

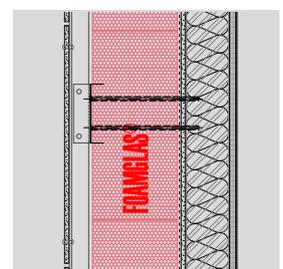
Advantages of the FOAMGLAS® system

- Reaction to fire: Non combustible.
- Quality: Systems with high quality materials. Quality management by systematic site inspections and professional consulting.
- Cost efficiency: The high durability preserves maximum value and guarantees minimal maintenance costs.
- Sustainability: Optimum insulation and protection against moisture for generations.
- Safety: Compact, fully bonded insulation system preventing damages caused by damp either through condensate or water penetration. Cellular glass contains no toxic substances and, in case of fire, does not develop fumes or toxic gases.
- Functionality: Minimal thermal bridges through thermally optimized fixing system. Insulation and moisture barrier in one single functional layer.

Recommendations for architect

- Normally used:
FOAMGLAS® T3+ (120 x 60 cm),
FOAMGLAS® T3+, T4+ (60 x 45 cm).
- Insulation thickness to meet building regulations or project specific U-value requirements. Please also consult our product overview. It contains information on all our products, their field of application and their specific properties.
- The flatness and the general conditions of the substrate are important criteria when using FOAMGLAS® (see TG1). Please contact our Technical Department to verify the criteria for the substrate.
- For a technically correct implementation, relevant standards and guidelines must be observed.
- Please contact our technical consultants; they can help you by providing Condensation Risk Analysis calculations which are supplied alongside U-value calculations.

Solutions for technical details and specification clauses on request. Further proposals and solutions are available any time from our technical consultants. **Updated: 01/01/2019.**
We explicitly reserve the right to change the technical specifications. The current values can be found on our website under: uk.foamglas.com/en/building



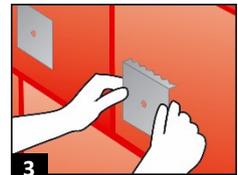
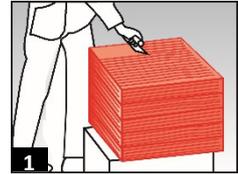
System 2.9.7

Installation instructions

- Ensure the cement particle board is clean and degrease the substrate.
- In case of steel understructure and before applying FOAMGLAS® slabs: measure and mark on the cement particle board each vertical steel understructure. They will be used as alignment guides for the metal plates.
- Apply the FOAMGLAS® slabs fully bonded to the cement particle board with PC® 74 A1, with staggered and tight-butted joints. Coverage ~3,5-4,5 kg/m². Apply PC® 74 A1 with a notched trowel (tooth size ~8 - 10 mm) to the entire surface of the slab and push diagonally into the open corner. (1/2)
- The metal plates are installed simultaneously with the FOAMGLAS® slabs.
- Metal plates have to be aligned by following the alignment marks.
- The metal plates are fixed by means of 2 screws through the FOAMGLAS® and the cement particle board into the metal wall frame.
- Number and vertical spacing depend of the calculations of the engineering compagny and will be in fonction of the type of cladding rail system and windload. (3)
- Mechanical fastening of the façade fixing to the metal plates. Substructure according to the specifications of the supplier. (4)
- Install the façade finish.

Recommendations for the contractor

- The build up and tolerances of the substrate must be in accordance with relevant standards and guidelines.
- Substrate and ambient temperature should not be below 5° C.
- The joints of the top layer of the last course must be protected against driving rain in order to prevent water penetration or washing out of the cold adhesive.
- Please contact our technical consultants ; they can help you by providing support or on-site assistance free of charge.



The technical guidelines for the application and the installation of FOAMGLAS® are based on historical experience and general site practice. They do not reflect individual examples. We therefore assume no liability as to the completeness and the suitability for a specific project. Furthermore, our liability and responsibility are subject to our general conditions of sale which are not extended either by this technical data sheet nor by the consulting of our technical sales representatives.

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