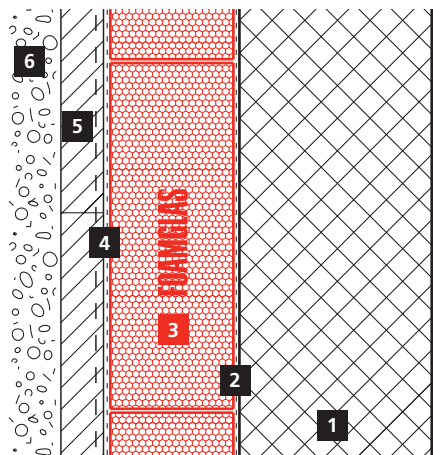


Schematic drawing



System 1.2.5

- 1 Concrete wall (waterproof concrete)
- 2 Primer coat
- 3 FOAMGLAS® slabs, bonded with PC® 56 WU
- 4 Top coat of PC® 56 WU
- 5 Protective layer
- 6 Soil/backfill

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

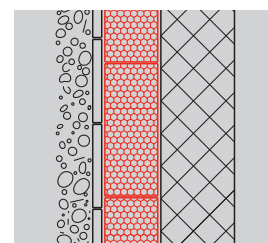
Advantages of the FOAMGLAS® system

- **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 through condensate and water penetration. In combination with PC® 56 WU, cracks of a width of 0.2 mm in the concrete structure can be bridged with a safety factor of 3.
- **Functionality:** Insulation as well as vapour, radon and capillary barrier in one single functional layer.

Recommendations for architects

- Normally used: FOAMGLAS® slabs T4+, S3 or F, size 450/600 mm.
- Insulation thickness to meet building regulations or the 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 technically correct implementation, relevant standards and guidelines must be observed.**
- **Constructions on sites with a high groundwater table or high water pressure require specialist advice. Please contact our technical staff.**

Solutions for technical details and specification clauses on request. Further proposals and solutions are available any time from our technical consultants. **Updated: November 2010.** We explicitly reserve the right to change the technical specifications. The current values can be found on our website under: www.foamglas.co.uk/building/applications



Wall insulation on waterproof concrete

FOAMGLAS® slabs with cold adhesive PC® 56 WU

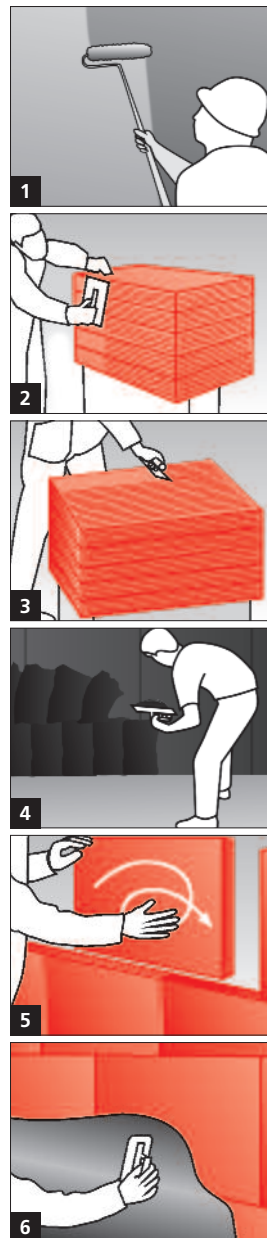
System 1.2.5

Installation instructions

- Primer PC® EM or emulsion PC® 56 diluted with 10 parts of water applied with roller on the dust-free surface. Coverage $\sim 0.3 \text{ l/m}^2$. (1)
- Apply FOAMGLAS® slabs fully bonded to the substrate, with staggered and tight-butted joints filled with cold adhesive PC® 56 WU. Coverage $\sim 2.0\text{--}2.5 \text{ l/m}^2$, dependent on the thickness of the insulation:
Apply cold adhesive PC® 56 WU with a notched trowel (tooth size 10 mm) to one short and one long side of the FOAMGLAS® slabs (in stacks). Apply cold adhesive to the entire surface of the slab. Also apply cold adhesive PC® 56 WU on the surface of the primed waterproof concrete. Coverage $\sim 2.0\text{--}2.5 \text{ l/m}^2$. Then, both contact surfaces are bonded by pushing the slab diagonally into the open corner (buttering/floating method). (2/3/4/5)
- Top coat of cold adhesive PC® 56 WU, coverage $\sim 1.5 \text{ l/m}^2$. Apply the cold adhesive with the flat side of a trowel on the FOAMGLAS® surface and spread evenly. (6)
- Apply a protective/filtration layer. Backfill the excavation with great care.

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 $+5^\circ\text{C}$.
- At the end of each day and on completion, a top coat must be applied immediately after the insulation has been installed.
- Adequate measures should be taken in order to avoid any risks of damage by other contractors during construction.
- 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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