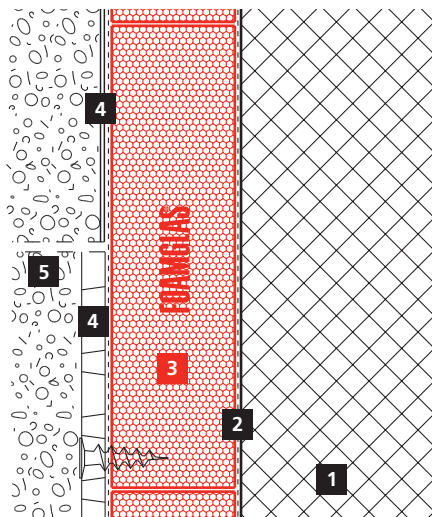


Wall insulation on concrete

FOAMGLAS® READY BOARD with cold adhesive PC® 56

Schematic drawing

System 1.9.1



- 1 Concrete wall
- 2 Primer coat
- 3 FOAMGLAS® READY BOARD, bonded with PC® 56
- 4 Protection layer/cavity drainage membrane or alternatively a torch applied bituminous waterproof membrane & protection layer
- 5 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

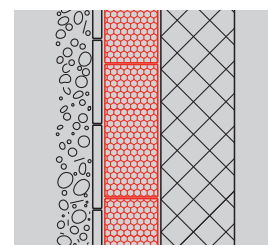
Advantages of the FOAMGLAS® system

- **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 either through condensate or water penetration.
- **Functionality:** Insulation as well as vapour, radon and capillary barrier in one single functional layer.

Recommendations for architects

- Normally used: FOAMGLAS® READY BOARD T4+, size 600/1200 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: July 2011.** 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



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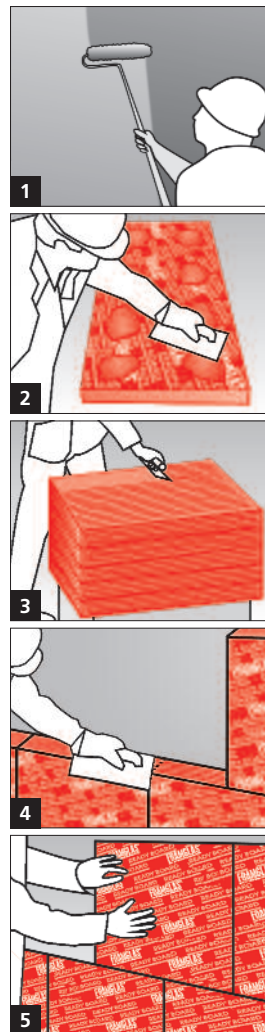
System 1.9.1

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)
- Depending on the condition of the substrate either:
Apply FOAMGLAS® READY BOARD spot-bonded with staggered and tight-butted joints filled with cold adhesive PC® 56. Coverage $\sim 2.5\text{--}3.0 \text{ kg/m}^2$, dependent on the thickness of the insulation or apply FOAMGLAS® READY BOARD fully bonded to the substrate, with staggered and tight-butted joints filled with cold adhesive PC® 56. Coverage $\sim 3.5\text{--}4.5 \text{ kg/m}^2$, dependent on the thickness of the insulation:
Apply cold adhesive PC® 56 with either a gauging or notched trowel (tooth size $\sim 8\text{--}10 \text{ mm}$) to one short and one long side of the installed FOAMGLAS®. (2/3/4)
- Push the FOAMGLAS® READY BOARD diagonally into the open corner. (5)
- Seal top exposed edge of the FOAMGLAS® READY BOARD with cold adhesive PC® 56 using either a gauging trowel or the flat side of a trowel on the FOAMGLAS® surface and spread evenly.
- Apply a protective/filtration/cavity drainage layer, or alternatively, torch apply a bituminous water proofing membrane to the face of FOAMGLAS® READY BOARD & apply a protection 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, the top exposed edge of insulation must be protect by applying a coat of cold applied PC56 adhesive 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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