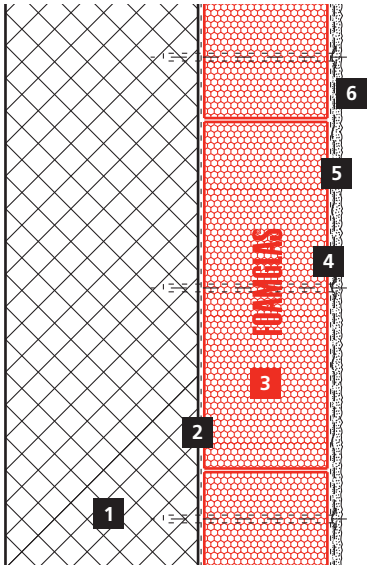
Interior wall insulation with a thick coat of mineral render

FOAMGLAS® slabs with cold adhesive PC® 56 and reinforcing mesh

FOAMGLAS® Building

Schematic drawing

System 3.2.8



1 Solid wall (concrete / brickwork)
2 Primer coat
3 FOAMGLAS® slabs, bonded with PC® 56
4 Top coat of PC® 56
5 Reinforcing mesh, mechanically fastened
6 Thick coat of render

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

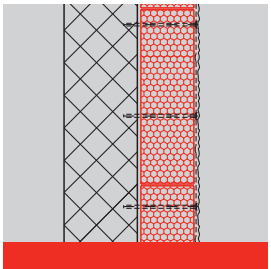
Advantages of the FOAMGLAS® system

- **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 due to condensate and mould. Cellular glass contains no toxic substances and, in case of fire, does not develop fumes or toxic gases.
- **Functionality:** Insulation, vapour and capillary barrier in one single functional layer.

Recommendations for architects

- Normally used: FOAMGLAS® slabs T4+, 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 a technically correct implementation, relevant standards and guidelines must be observed.**

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**



Interior wall insulation with a thick coat of mineral plaster

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Building

System 3.2.8

Installation instructions

- Primer PC® EM or emulsion PC® 56 diluted with 10 parts of water, applied with a roller on the dust-free surface, coverage ~ 0.3 l/m². (1)
- Apply the FOAMGLAS® slabs fully bonded to the substrate with cold adhesive PC® 56, with staggered and joints tightly butted and filled with adhesive. Coverage ~ 3.5 – 4.5 kg/m², dependent on the thickness of the insulation:
  Apply the cold adhesive PC® 56 with a notched trowel (tooth size ~ 8 – 10 mm) on two sides of the slabs (in stacks). Apply cold adhesive to the entire surface of the slab and push diagonally into the open corner. Remove the squeezed-out adhesive with a trowel when slightly hardened. (2 / 3)
- Top coat of cold adhesive PC® 56, coverage ~ 1.5 kg/m². Apply the cold adhesive with the flat side of a trowel on the FOAMGLAS® surface and spread evenly. (4)
- Allow waiting time of ~ 3 days (dependent on ambient temperature and humidity).
- Mechanical fastening of the reinforcing mesh to the substrate. (5)
- Sealing of the FOAMGLAS® penetrations with cold adhesive PC® 56 or PITTSEAL® 444.
- Apply a thick layer of appropriate mineral render according to the specifications of the supplier. (6)

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.
- Sensitive components provided by other suppliers must be protected against blobs of adhesive.
- **Please contact our technical consultants; they can help you by providing support or on-site assistance free of charge.**

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