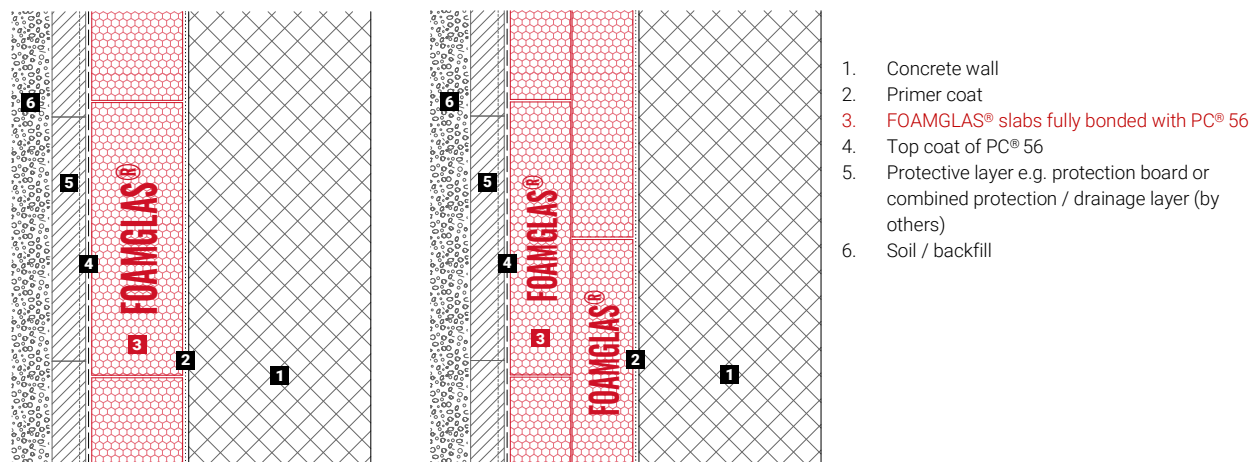


Schematic drawing

System 1.2.1



Features and advantages of the FOAMGLAS® solutions

- **High Compressive Strength:** Tested to Annexe A of EN826 with a compressive strength of 500 - 1600* kPa without deformation – please see specific Product Data Sheets for further guidance.
- **Long Term Performance:** The durability of FOAMGLAS® insulation results in long-term dimensional stability and time-tested performance.
- **Unaffected by Groundwater:** Contact with groundwater has no impact on the physical characteristics of FOAMGLAS® insulation including key criteria such as compressive strength and thermal performance.
- **Chemically Resistant:** Suitability for use on brownfield sites with known levels of ground contamination can be considered – please request chemical resistance data.
- **Combustibility:** Euroclass A1 options are available for the different FOAMGLAS® insulation grades (T3+, T4+, S3 and F) dependent upon application.

*The application of a suitable factor of safety is recommended when undertaking structural assessment of product performance.

Recommendations for architect

Normally used:

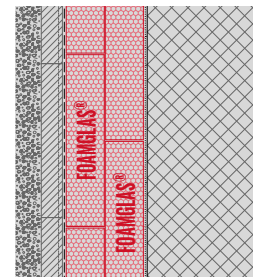
FOAMGLAS® T3+ slab, FOAMGLAS® T4+ slab

(600 x 450 mm)

FOAMGLAS® T3+

(1200 x 600 mm).

- Insulation thickness should meet building regulations or project-specific U-value requirements.
- For further information regarding FOAMGLAS® products or any other specific properties, please consult our PDS.
- Please refer to Technical Guidelines (TG3) for the general conditions of the supporting substrate and requirements when installing FOAMGLAS® insulation.
- For technically correct installation, relevant standards and guidelines must be observed.
- For construction sites with a high groundwater table, high-water pressure or specific ground conditions, specialist advice should be sought.
- Please contact our Technical Department for support.



Wall insulation on concrete

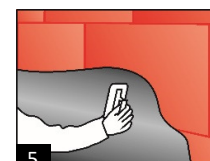
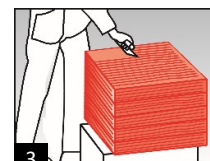
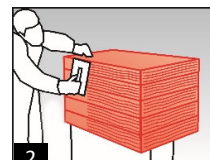
FOAMGLAS® slabs with cold adhesive PC® 56



System 1.2.1

Installation instructions

- Primer PC® EM (or emulsion PC® 56 diluted with 10 parts of water) applied with roller on the dust-free surface. Coverage ~ 0.3 l/m². (1)
- Install FOAMGLAS® slabs fully bonded to the substrate, with staggered and tightly butted joints filled with cold adhesive PC® 56. Coverage ~ 3.5 – 4.5 kg/m², subject to the thickness of the insulation. For double layer systems, all joints must be installed with staggered joints in each layer and in between the different layers.
- Apply cold adhesive PC® 56 with a notched trowel (tooth size ~ 8 – 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 and push diagonally into the open corner. (2 / 3 / 4)
- 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® slab surface and spread evenly. (5)
- Apply a protection board or combined protection / drainage layer. Backfill the excavation with care.



Recommendations for the contractor

- The build-up and substrate tolerances must be in accordance with the relevant standards and guidelines.
- Substrate and ambient temperature should not be below + 5° C.
- A topcoat should be applied immediately after the insulation has been installed. Do not leave the insulation exposed.
- 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 from driving rain to prevent water penetration or cold adhesive washout.
- Please contact our Technical Department for support.

The information contained in this Technical Data Sheet is accurate and reliable to the best of our knowledge as of its date issued and is subject to change without prior notice. No guarantee of accuracy is given or implied. This document supersedes and replaces all information supplied prior to the publication hereof. The provision of this information should not be construed as a recommendation to use any of our products, nor to use any of our products in violation of any patent rights or in breach of any statute or regulation. Since FOAMGLAS® business has no control over installation workmanship, accessory materials or conditions of application, no express or implied warranty of any kind, including those of merchantability or fitness for a particular purpose or course of performance or usage of trade, is made as to the performance of an installation containing FOAMGLAS® products. User is solely responsible for determining whether a FOAMGLAS® product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a FOAMGLAS® product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluates the FOAMGLAS® product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Liability of FOAMGLAS® business, if any, is strictly limited to replacement of product. In no event shall FOAMGLAS® business be liable for any other damages arising because of product failure, whether incidental, special, consequential or punitive, regardless of the theory of liability upon which any such damages are claimed. FOAMGLAS® business provides written warranties for many of its products, and such warranties take precedence over the statements contained herein. Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance.

© 2025 Owens Corning. All Rights Reserved.

Owens Corning Insulation (UK) Ltd.
31-35 Kirby Street
London, EC1N 8TE
technical@foamglas.co.uk