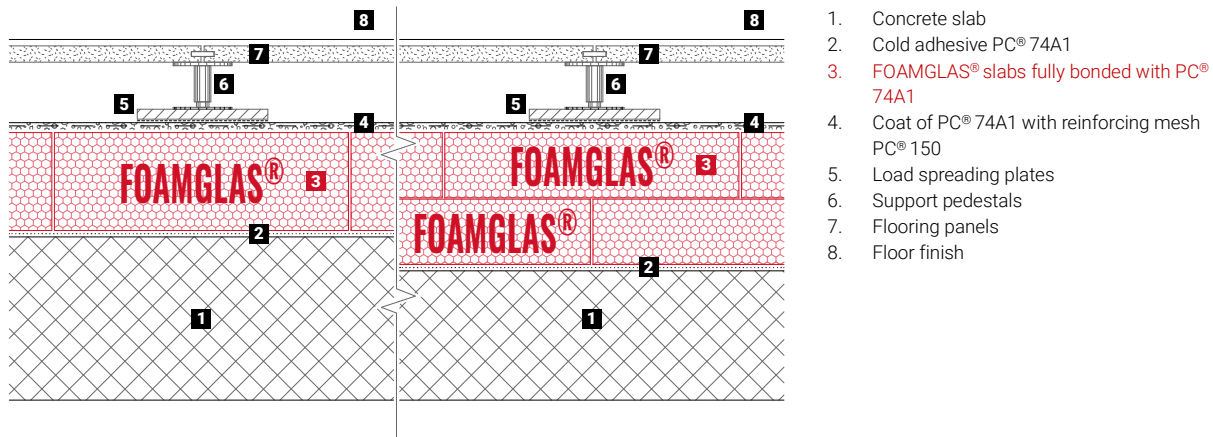


Interior floor insulation on concrete with raised access floor system

FOAMGLAS® slabs with cold adhesive PC® 74A1

Schematic drawing

System 3.1.16



Features and advantages of the FOAMGLAS® solutions

- **High Compressive Strength:** Tested to Annex 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:

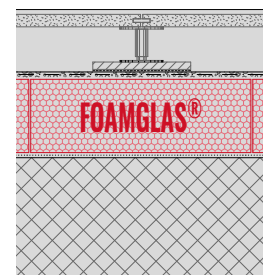
FOAMGLAS® T3+ slab, FOAMGLAS® T4+ slab, FOAMGLAS® S3 slab, FOAMGLAS® F slab

(450x 600 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 (TG1) 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.



Further proposals and solutions for technical details and specification clauses on request. Further proposals and solutions are available any time from our technical consultants. Updated: 10/02/2025.

We explicitly reserve the right to change the technical specifications. The current values can be found on our website: www.foamglas.com/en-gb

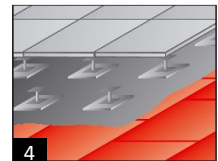
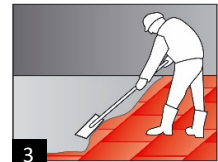
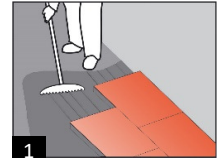
Interior floor insulation on concrete with raised access floor system

FOAMGLAS® slabs with cold adhesive PC® 74A1

System 3.1.16

Installation instructions

- The substrate should be solid, degreased and dust-free.
- When applying PC® 74A1 on concrete, the substrate must be pre-wetted immediately before applying the adhesive. To ensure optimal adhesion and regulate absorption on mineral surfaces like lime, lime cement, gypsum-containing base layers (mortar groups P I to P IV), concrete, fibre cement, apply a white-transparent, quartz sand-containing primer as an intermediate layer before installing the FOAMGLAS® slabs with PC® 74A1. Apply according to manufacturers instructions.
- Install the FOAMGLAS® slabs fully bonded to the substrate with PC® 74A1 with staggered and tight-butted joints (1). For double layer systems, all joints must be installed with staggered joints in each layer and between the different layers Coverage $\sim 3.0 - 7.0 \text{ kg/m}^2$.
- Remove irregularities of the insulation surface with a sanding action, using an offcut of FOAMGLAS® slabs or preferably with an emery board and remove dust from the FOAMGLAS® insulation surface. (2)
- Apply a top coat of PC® 74A1 with a stainless steel trowel, coverage $\sim 3.0 - 7.0 \text{ kg/m}^2$. (3)
- Embed the alkali-resistant reinforcing mesh PC® 150 (overlapping joints $\sim 100 \text{ mm}$) flat and evenly and smooth the surface afterwards.
- Allow curing time of $\sim 3 - 5$ days (subject to ambient temperature and humidity).
- Set and bond the load spreading plates before installing the pedestals.
- Install the support pedestals for the raised access floor system. Spacing of the support pedestals and supporting panels subject to loads and system-specific requirements and manufacturer's specifications. (4)



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 $+5^\circ \text{C}$.
- Adequate measures should be taken in order to avoid any risks of damage by other contractors during construction.
- Please contact our Technical Department for support.

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