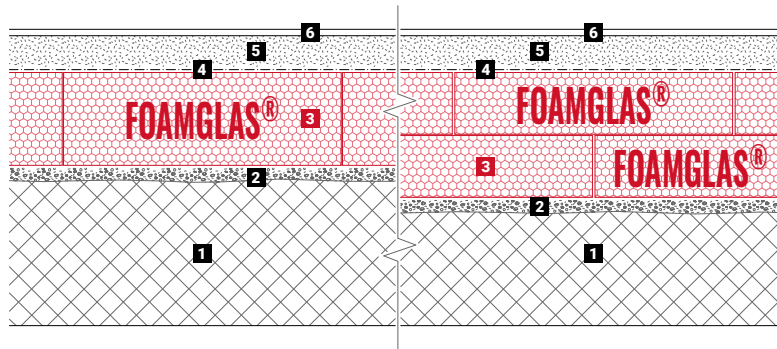


Interior floor insulation on levelling compound with cement screed

FOAMGLAS® Boards in dry construction

Schematic drawing

System 3.1.3



1. Concrete slab
2. Sand levelling layer or liquid mortar
3. FOAMGLAS® Boards loosely laid
4. Separating layer (by others)
5. Cement / anhydrite screed
6. Floor finish

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.

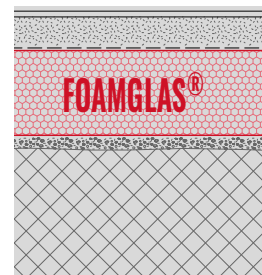
*The application of a suitable factor of safety is recommended when undertaking structural assessment of product performance.

Recommendations for architect

Normally used:

FOAMGLAS® BOARD T3+, FOAMGLAS® BOARD T4+, FOAMGLAS® BOARD S3, FOAMGLAS® BOARD F (1200 x 600mm)

- 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.



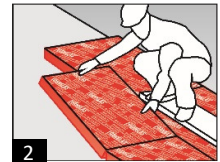
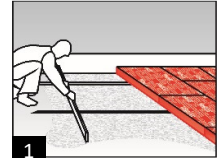
Interior floor insulation on levelling compound with cement screed

FOAMGLAS® Boards in dry construction

System 3.1.3

Installation instructions

- Apply a thin layer of levelling compound, dry sand or liquid mortar to level off any irregularities and create a smooth and uniform surface. (1)
- Install FOAMGLAS® Boards with staggered and tight-butted joints. For double layer systems, all joints must be installed with staggered joints in each layer and between the different layers. (2)
- Install a separating layer, joints overlapping. (3)
- Apply the cement or anhydrite screed, thickness and requirements subject to heating system, loadings and manufacturers specifications.



Recommendations for the contractor

- The build-up and substrate tolerances must be in accordance with the relevant standards and guidelines.
- Adequate measures must be implemented to avoid any risk of damage by other contractors during construction.
- Please contact our Technical Department for support.

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