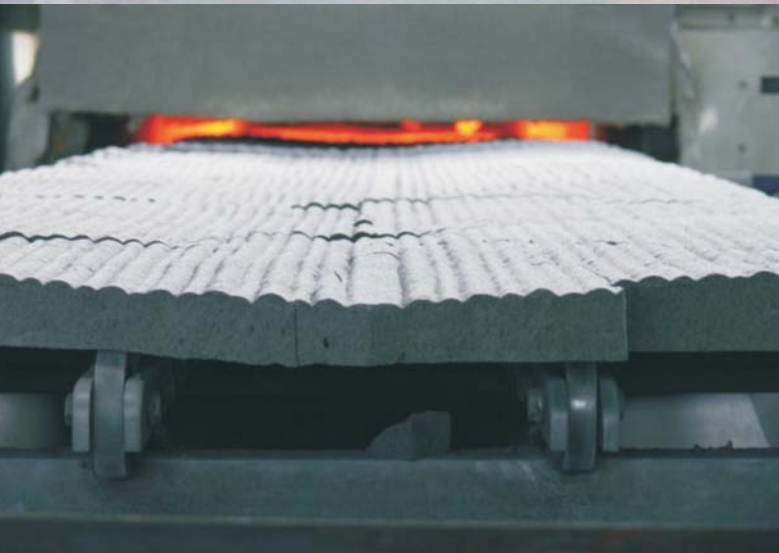




GLASS - A SOLID FOUNDATION



ECOLOGICAL INSULATION AND LIGHT-WEIGHT BUILDING MATERIAL

THE INNOVATION

Glass foam granulate is the new, mineral, light-weight building and insulation material with a diversity of applications.

Made from 100% selected waste glass, TECHNOpor is setting ecological standards for the future.

The collected material is ground and heated together with a natural expanding agent.

THE MISSION AGAINST EMISSIONS

Due to the outstanding insulation characteristics of TECHNOpor, over the long term, heating costs are reduced and thus CO₂ emissions as well. Even in the production of our glass foam granulate, we use exclusively low-emission hydro-electric power.

The TECHNOpor QUALITY ASSURANCE SYSTEM

TECHNOpor glass foam granulate has been given the CE conformity mark and general approval by the building inspection authorities (DIBt).

The complete production process is certified to ISO 9001 and 14001.

manufactured
according to
ISO 9001
and 14001

TRIED AND TESTED CHARACTERISTICS WIN NEW CUSTOMERS

on top form – for ever

resistant to ageing, non-toxic, free of smells, dimensionally stable, resistant to insects and rodents

frost proof

frost shield instead of a frost barrier

fire proof

as per Euroclass A1

resilient

Extremely high compression strength. Loads of around 50 t/m² present no problem

insulating

the large number of enclosed bubbles in each pellet ensures excellent insulation characteristics. Using the different TECHNOpor system solutions, Lambda values between 0,075 and 0,095 W/mK are achieved.

non-capillary

The closed-cell surface of the granulate prevents ground humidity being drawn by capillary action into the building structure.

light

bulk weight is around 170 kg/m³ in comparison: gravel is up to 20 times heavier

easy to install

light weight guarantees rapid processing on site; delivery to the building site in Big Bags or in bulk by lorry



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AREAS OF APPLICATION FOR TECHNOpor GLASS FOAM GRANULATE

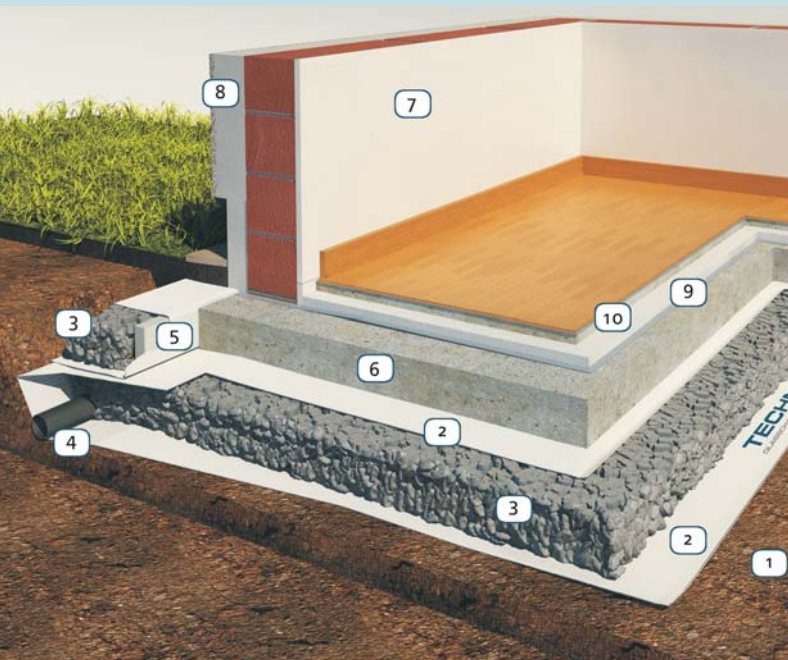
TECHNOpor is most frequently used as a primary damp-proofing layer under floor slabs.

Beyond this there are a great many more potential uses, such as:

- lateral damp-proofing for basements
- industrial and commercial building
- high-load ceiling structures
- renovation of old buildings
- swimming pool insulation

Because of its outstanding material characteristics, glass foam granulate is ideal for use in structural work below ground level and for complex special structures:

- road building
- frost protection for path and square foundations
- slope reinforcement
- drainage, water and sewer pipe construction
- construction of sports facilities



Key / marking floor construction scheme

PRIMARY DAMP-PROOFING LAYER UNDER THE FLOR SLAB

- 1) Earth/subgrade
- 2) Geotextile min. 150 g/m²
- 3) TECHNOpor glass foam granulate
- 4) Drainage pipe
- 5) Shuttering
- 6) Concrete floor slab
- 7) Exterior wall
- 8) Wall insulation
- 9) Underfloor insulation
- 10) Parquet with impact sound insulation

WE DELIVER GLASS FOAM GRANULATE. AND WITH IT, SOLUTIONS.

Our sales department will be pleased to design individual solutions for technically demanding applications.

If required, our service engineers can be on site during installation.

In short, correct installation supervised by a professional.



SAVE ON TIME AND MONEY. NOT ON POTENTIAL.

savings on excavation due to lower floor foundation height

savings on blinding layer, drainage course and frost barrier

savings on cutting to size compared with prefabricated materials

savings of up to 15 % on costs per square metre of insulated floor slab compared with conventional floor structures

savings on building time – the floor slab can be concreted immediately after compacting the granulate

savings due to long-term reduction in heating costs

THE ADVANTAGES ARE PLAIN TO SEE. AND YOU COULD SEE THEM IN YOUR OWN FOUNDATIONS, TOO.

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