

## Application overview

TECHNOpor glass foam granulate is a very versatile building material.

The most common application is the perimeter insulation under the floor slab.

Insulation underneath the foundation is essential particularly in passive houses and low-energy buildings.

Some special applications result from customized system solutions, which our sales department would be happy to work out with you.

Our product range also permits the utilisation in specialised construction projects such as roads, industrial buildings, sports fields, etc.

### TECHNOpor product range

#### Standard

**PERIMETER 50** suitable for most of the common applications  
grain size 30 to 50 mm, bulk weight  
app. 170 kg/m<sup>3</sup>

#### Special specifications \*

**FÜLL 100** for light fills, bulk weight only app. 130 kg/m<sup>3</sup>

**DRUCK 50** for exceptional pressure loads, grain  
pressure resistance app. 10 N/mm<sup>2</sup>

**STRASSENBAU** bulk weight between 150 and 250 kg/m<sup>3</sup>,  
grain pressure resistance up to 12 N/mm<sup>2</sup>

\* The production of special specifications upon request as of an order amount of app. 1.000 m<sup>3</sup>.

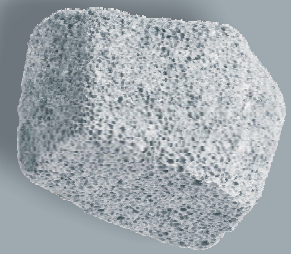
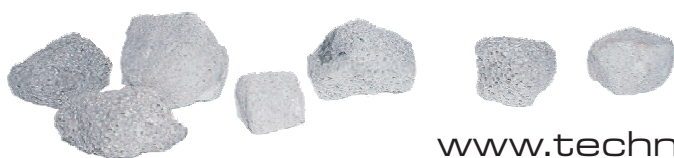
Further information on product data can be found on the Web at:  
[www.technopor.com](http://www.technopor.com)



Perimeter insulation under the floor slab



Perimeter insulation flanking the floor slab and basement wall



## GLASS - A SOLID FOUNDATION

### 4 in 1

- thermal insulation
- load bearing
- capillary breaking
- provides drainage



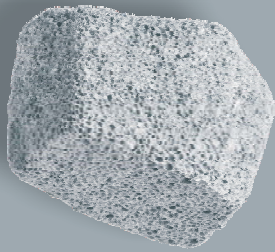
Floor insulation older building/restoration



light fills for intermediate ceilings



Detail solutions for industrial buildings



## GLASS - A SOLID FOUNDATION

### TECHNOpor

### GLASS FOAM-GRANULAT

Applications	STANDARD	SPECIAL SPECIFICATIONS		
	Perimeter	Füll 100	Druck 50	Straßenbau <sup>4)</sup>
<b>Structural engineering</b>				
Perimeter insulation under the floor slab	•	•	•	
Perimeter insulation flanking the floor slab	•	•	•	
Perimeter insulation in industrial and commercial construction	•		• <sup>1)</sup>	
Swimming pool insulation	•	• <sup>2)</sup>	•	
Terrace insulation	•	•	•	
Light repose (statics)	•	•	•	
Compensatory repose	•	•	•	
Industrial roof	•	•		
Green roof and flat roof *	•	•	•	
High load bearing ceiling constructions	•	•	•	
Rafters and spaces between rafters	•	•	•	
Floor construction	•	•	•	
Wooden and concrete ceilings	•	•	•	
Timber frame and timber slab construction		•	•	
<b>Civil Engineering</b>				
Light repose	• <sup>3)</sup>	• <sup>3)</sup>	• <sup>3)</sup>	•
Road construction – load bearing and frost proof				•
Frost-free foundation of pathways und sites	• <sup>1) 3)</sup>	• <sup>3)</sup>	• <sup>3)</sup>	•
Soil stabilisation			• <sup>3)</sup>	•
Slope stabilisation				•
Drainage		• <sup>3)</sup>		•
Water and sewage line construction				•
Frost-free foundation with low overlap	• <sup>1) 3)</sup>	• <sup>1) 3)</sup>	• <sup>1) 3)</sup>	•
Thermal insulation of district heating lines	• <sup>1) 3)</sup>	• <sup>3)</sup>	• <sup>1) 3)</sup>	•
<b>Special construction projects</b>				
Construction of sport fields (e. g. lawn heating)	•	•	•	
Ice skating rinks/skiing halls	•	•	•	
Combination sports facilities (ice/green areas)	•	•	•	•
Design of surroundings and landscaping	•	•	•	•

<sup>1)</sup> If necessary (compression strength)   <sup>2)</sup> For lateral perimeter   <sup>3)</sup> For small projects   <sup>4)</sup> Project-specific product e

**NOTE:** The information contained herein is based on our knowledge at the time of publication. In individual cases, responsibility for the completeness and correctness cannot be taken. Subject to changes due to further technological developments.

\* currently does not have a general technical approval in Germany

Errors and typing errors excepted. Last updated in April 2009.

