



FOAMGLAS® FLOOR BOARD S3

Page: 1 Date: 15.04.2013 Supersedes: 01.02.11 www.foamglas.com



FOAMGLAS® FLOOR BOARD S3 consists of FOAMGLAS® slabs bonded together. Both sides of the insulation board are lined with a glass fibre facing, the top side is green, the bottom side is white.

Form of delivery (content per package)

length x width [mm]	1200 x 600							
thickness [mm]	40	50	60	70	80	90	100	110
units	6	5	4	4	3	3	3	2
square metre [m ²]	4.32	3.60	2.88	2.88	2.16	2.16	2.16	1.44

length x width [mm]	1200 x 600							
thickness [mm]	120	130	140	150	160	170	180	
units	2	2	2	2	2	14*	14*	
square metre [m ²]	1.44	1.44	1.44	1.44	1.44	10.08	10.08	

Other dimensions and thicknesses are available on request.

* No single package, but each 14 boards on a pallet.

General FOAMGLAS® Cellular Glass Insulation characteristics

- Description : FOAMGLAS® Insulation is manufactured from specially graded recycled glass (≥ 60%) and natural raw materials which are available in abundant supply (sand, dolomite, lime...). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders. Without VOC or other volatile substances.
- Reaction to fire (EN 13501-1) : Core material complying with Euroclass A1, non-combustible, no toxic fumes
- Service temperature limits : from -265°C to +430°C
- Water vapour resistance (EN ISO 10456) : $\mu = \infty$
- Hygroscopicity : zero
- Capillarity : zero
- Melting point (cf DIN 4102-17) : >1000 °C
- Thermal expansion coefficient (EN 13471) : $9 \times 10^{-6} \text{ K}^{-1}$
- Specific heat (EN ISO 10456) : 1000 J/(kg·K)
- FOAMGLAS® characteristics



Waterproof



Resistant to attack



High compressive strength



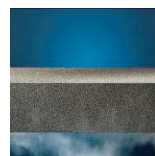
Acid resistant/chemical resistant



Easy cut to shape



Non-combustible



Impervious to water vapour



Dimensionally stable



Ecological



Radon protection



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1. Product characteristics according to EN 13167 ¹⁾

Density (± 10%) (EN 1602)	: 130 kg/m ³
Thickness (EN 823) ± 2 mm	: from 40 up to 180 mm
Length (EN 822) ± 5 mm	: 1200 mm
Width (EN 822) ± 2 mm	: 600 mm
Thermal conductivity (EN ISO 10456)	: $\lambda_D \leq 0.045$ W/(m·K)
Reaction to fire (EN 13501-1)	: Euroclass E (Core material Euroclass A1)
Point load (EN 12430)	: PL \leq 1.0 mm
Compressive strength (EN 826 annexe A)	: CS \geq 900 kPa
Bending strength (EN 12089)	: BS \geq 500 kPa
Tensile strength (EN 1607)	: TR \geq 150 kPa

¹⁾ CE-marking ensures conformity with the mandatory essential requirements of CPD as mentioned in EN 13167; within the CEN Keymark certification all mentioned characteristics are certified by an empowered, notified and accredited 3rd party.

2. Additional product data

Thermal diffusivity at 0°C	: $4,1 \times 10^{-7}$ m ² /sec
λ_D -value and mean t° range (EN ISO 13787)	: + 35 °C \leq 0.049 W/(m·K)
Product Conformity BS EN 13167 : 2001	: Nr. CL 07020029
BRE Green Guide Rating	: A
Green Spec® Listed	: yes

3. Applications

High compressive strength requirements:

- Insulation under
- floors
 - foundation slabs