

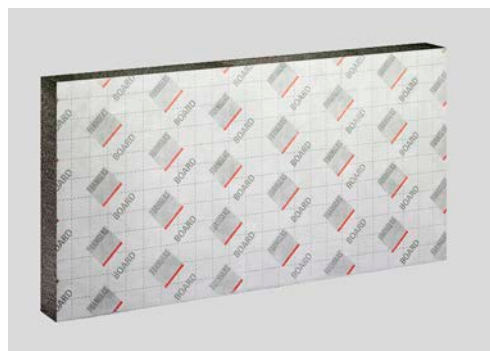
FOAMGLAS® ROOF BOARD G2 T3+

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Date: 01.08.2021

Supersedes: 01.03.2020

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FOAMGLAS® ROOF BOARD G2 T3+ consists of FOAMGLAS® T3+ slabs bonded together. The upper side and the lower side are covered with a white Glass Fleece liner.

Form of delivery (content per package)

| length x width [mm] | 1200 x 600 | | | | | | | |
|------------------------|------------|------|------|------|------|------|------|------|
| thickness [mm] | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| R _D [m²K/W] | 1.35 | 1.65 | 1.90 | 2.20 | 2.50 | 2.75 | 3.05 | 3.30 |
| units | 5 | 4 | 4 | 3 | 3 | 3 | 2 | 2 |
| square metre [m²] | 3.60 | 2.88 | 2.88 | 2.16 | 2.16 | 2.16 | 1.44 | 1.44 |

| length x width [mm] | 1200 x 600 | | | | | | | |
|------------------------|------------|------|------|------|-------|-------|------|------|
| thickness [mm] | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 |
| R _D [m²K/W] | 3.60 | 3.85 | 4.15 | 4.40 | 4.7 | 5.0 | 5.25 | 5.55 |
| units | 2 | 2 | 2 | 2 | 14* | 14* | 12* | 12* |
| square metre [m²] | 1.44 | 1.44 | 1.44 | 1.44 | 10.08 | 10.08 | 8.64 | 8.64 |

Other dimensions and thicknesses are available on request.

* No single package, but all boards on a pallet.

General FOAMGLAS® Cellular Glass Insulation characteristics

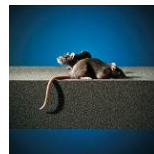
| | |
|--|---|
| Description | : FOAMGLAS® insulation is manufactured from specially graded recycled glass and natural raw materials which are available in abundant supply (sand, dolomite, lime...). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives 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 | : |



Time-tested thermal performance



Waterproof



Resistant to attack



High compressive strength



Acid resistant / chemical resistant



Non-combustible



Impervious to water vapour



Dimensionally stable



Ecological



Radon protection



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1. Product characteristics according to EN 13167 ¹⁾

| | |
|--|--|
| Density ($\pm 15\%$) (EN 1602) | : 100 kg/m ³ |
| Thickness (EN 823) ± 2 mm | : from 50 to 200 mm |
| Length (EN 822) ± 5 mm | : 1200 mm |
| Width (EN 822) ± 2 mm | : 600 mm |
| Thermal conductivity (EN ISO 10456) | : $\lambda_D \leq 0.036$ W/(m·K) |
| Reaction to fire (EN 13501-1) | : Euroclass E (Core material Euroclass A1) |
| Point load (EN 12430) | : PL ≤ 1.5 mm |
| Compressive strength (EN 826 annexe A) | : CS ≥ 500 kPa |
| Bending strength (EN 12089) | : BS ≥ 400 kPa |
| Tensile strength (EN 1607) | : TR ≥ 150 kPa |
| Compressive creep (EN 1606) | : CC (1.5/1/50) 225 |

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 characteristics

Environmental Product Declaration : EPD-PCE-20150042-IBA1-DE
(ISO 14025 and EN 15804)

3. Application area

1. Can be used as a single layer or as a first layer in a two layer insulation system. Glass fleece liner allows the adhering of a second FOAMGLAS® layer.

Glass fleece liner can receive a mechanically fixed or adhered waterproofing (ex. TPO, PVC or bituminous membrane):

- On concrete: first or only layer in flat roof applications by cold bonding.
- On steel deck: first or only layer in flat roof applications by cold bonding.

2. Can be used as a top layer in a one or two layer system to receive a mechanically fixed or adhered waterproofing (ex. TPO, PVC or Bituminous membrane).

First layer in a two layer insulation system. Glass fleece liner allows the adhering of a second FOAMGLAS® layer:

- flat roofs (cold bonding on concrete).
- second layer can be adhered with cold bonding.

Second layer can be FOAMGLAS® ROOF BOARD G2 or ROOF BLOCK G1, FOAMGLAS® READY BOARD, FOAMGLAS® READY BLOCK. This second layer can be adhered with cold bonding.