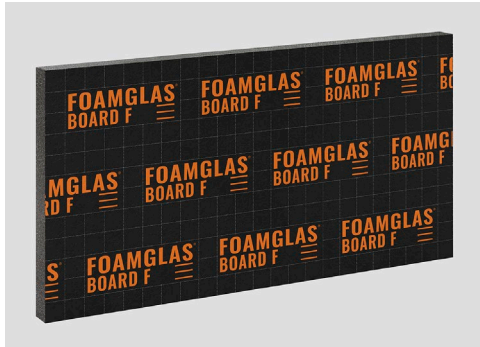




# FOAMGLAS® BOARD F

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FOAMGLAS® BOARD F consists of FOAMGLAS® slabs bonded together. The upper side of the insulation board is lined with a PE/Glass Fleece Composite, the bottom with Glass Fleece; the top side is yellow, 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 <sup>2</sup> ] | 4.32       | 3.60 | 2.88 | 2.88 | 2.16 | 2.16 | 2.16 | 1.44 |

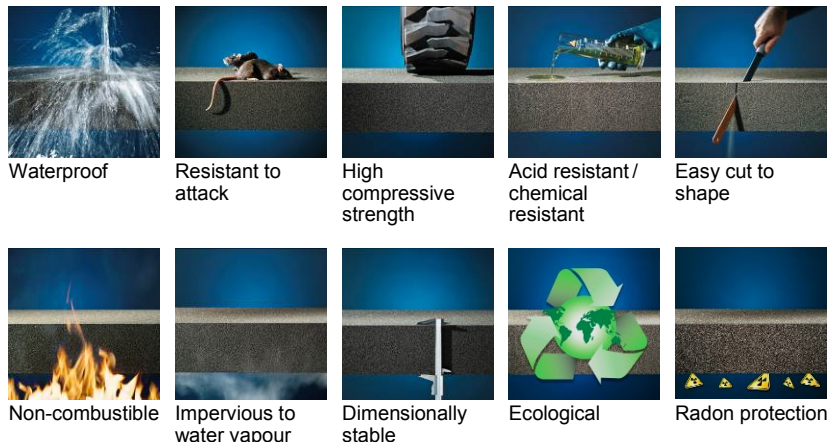
  

| length x width [mm]            | 1200 x 600 |      |      |      |      |      |      |  |
|--------------------------------|------------|------|------|------|------|------|------|--|
| thickness [mm]                 | 120        | 130  | 140  | 150  | 160  | 170  | 180  |  |
| units                          | 2          | 2    | 2    | 2    | 2    | 3.40 | 3.60 |  |
| square metre [m <sup>2</sup> ] | 1.44       | 1.44 | 1.44 | 1.44 | 1.44 | 14*  | 14*  |  |

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 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





# FOAMGLAS<sup>®</sup> BOARD F

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## 1. Product characteristics according to EN 13167 <sup>1)</sup>

|  |  |
|--|--|
| Density (± 10%) (EN 1602)              | : 165 kg/m <sup>3</sup>                    |
| 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)    | : $\lambda_D \leq 0.050$ 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 $\geq$ 1600 kPa                       |
| Bending strength (EN 12089)            | : BS $\geq$ 550 kPa                        |
| Tensile strength (EN 1607)             | : TR $\geq$ 200 kPa                        |

<sup>1)</sup> 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 3<sup>rd</sup> party.

## 2. Additional product data

|  |  |
|--|--|
| Thermal diffusivity at 0°C                                 | : $3.5 \times 10^{-7}$ m <sup>2</sup> /sec |
| $\lambda_D$ -value and mean t° range (EN ISO 13787)        | : + 35 °C $\leq 0.054$ W/(m·K)             |
| Product Conformity BS EN 13167                             | : Nr. CL 07020029                          |
| BRE Green Guide Rating                                     | : B  |
| Environmental Product Declaration (ISO 14025 and EN 15804) | : EPD-PCE-20150042-IBA1-DE                 |

## 3. Applications

Highest compressive strength requirements:  
Insulation under  
- floors  
- foundation slabs