



FOAMGLAS® BOARD T3+

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Date: 01.08.2021

Supersedes: 01.03.2020

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FOAMGLAS® BOARD T3+ consists of FOAMGLAS® T3+ slabs bonded together. The upper side of the insulation board is lined with a PE/Glass Fleece Composite, the bottom liner is 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]	50	60	70	80	90	100	110	120
units	5	4	4	3	3	3	2	2
square meter [m ²]	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
units	2	2	2	2	14*	14*	12*	12*
square meter [m ²]	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

<p>Description</p> <p>Reaction to fire (EN 13501-1)</p> <p>Service temperature limits</p> <p>Water vapour resistance (EN ISO 10456)</p> <p>Hygroscopicity</p> <p>Capillarity</p> <p>Melting point (cf DIN 4102-17)</p> <p>Thermal expansion coefficient (EN 13471)</p> <p>Specific heat (EN ISO 10456)</p>	<p>: 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.</p> <p>: Core material complying with Euroclass A1, non-combustible, no toxic fumes</p> <p>: from -265°C to +430°C</p> <p>: $\mu = \infty$</p> <p>: zero</p> <p>: zero</p> <p>: >1000 C°</p> <p>: $9 \times 10^{-6} \text{ K}^{-1}$</p> <p>: 1000 J/(kg·K)</p>
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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 annex 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

λ_D -value and mean t° range (EN ISO 13787)	: + 35 °C ≤ 0.040 W/(m·K)
Environmental Product Declaration (ISO 14025 and EN 15804)	: EPD-PCE-20150042-IBA1-DE

3. Applications

Insulation of:

- façades
- cavity walls
- belowgrade: walls
- walls and soffits; interior insulation behind brick lining, plasterboard stud wall construction