



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
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 meter [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 meter [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°




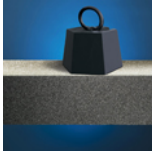






Thermal expansion coefficient (EN 13471)

: $9 \times 10^{-6} \text{ K}^{-1}$

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 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

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

3. Applications

Insulation of:

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