



FOAMGLAS®

PRODUCT DATA SHEET

FOAMGLAS® BOARD T3+

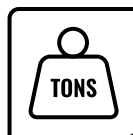
FOAMGLAS® BOARD T3+ consists of FOAMGLAS® T3+ slabs bonded together and covered with a lining. The top side of the insulation board is lined with a PE-glass fleece composite (black with a yellow print) and the bottom side is lined with a white glass fleece.



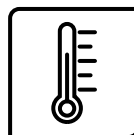
Product features



impermeable



high compressive strength



thermal performance



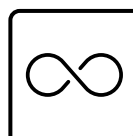
dimensionally stable



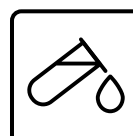
pest-proof



vapour-tight



durable



resistant to acid



resistant to radon gas

Applications

Isolation for:

- external walls and cavity insulation
- internal insulation, including floors, walls and soffits
- below ground and perimeter insulation

Dimensions

Length x width (mm)	1200 x 600							
Thickness (mm)	50	60	70	80	90	100	110	120
R_D (m ² K/W)	1.35	1.65	1.90	2.20	2.50	2.75	3.05	3.30

Length x width (mm)	1200 x 600							
Thickness (mm)	130	140	150	160	170	180	190	200
R_D (m ² K/W)	3.60	3.85	4.15	4.40	4.70	5.00	5.25	5.55

Product characteristics conforming to EN 13167

Density (EN 1602) $\pm 15\%$	95 kg/m ³
Thickness (EN 823) ± 2 mm	50 - 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
Point load (EN 12430)	≤ 1.5 mm
Compressive strength (EN 826 annexe A)	≥ 500 kPa
Compressive creep (EN 1606)	(1.5/1/50) 225
Bending strength (EN 12089)	≥ 400 kPa
Tensile strength (EN 1607)	≥ 150 kPa

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

Certificates

Keymark certificate	Environmental Product Declaration
FM approved	

General FOAMGLAS® characteristics

FOAMGLAS® insulation is made of recycled glass and natural raw materials which are available in abundant supply (sand, dolomite, lime, etc.). The insulation is inorganic, contains no ozone depleting propellants, flame resistant additives, binders, Volatile Organic Compounds (VOC's) or other volatile substances.

Water vapour resistance (EN ISO 10456)	$\mu = \infty$
Hygroscopicity (EN ISO 12571)	zero
Capillarity (EN 1015-18)	zero
Thermal expansion coefficient (EN 13471)	9×10^{-6} K ⁻¹
Specific heat (EN ISO 10456)	1000 J/(kg·K)

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