



FOAMGLAS®

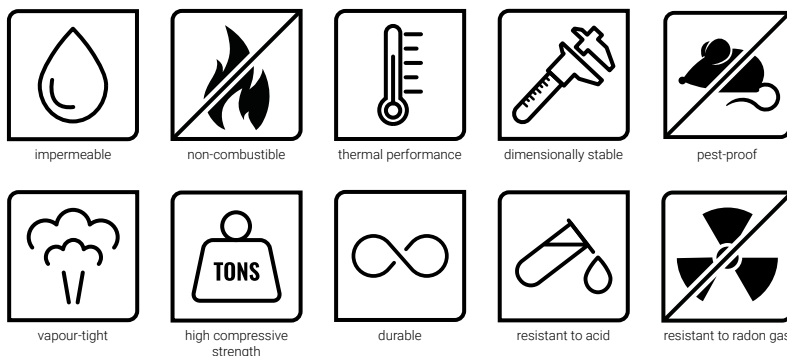
PRODUCT DATA SHEET

FOAMGLAS® T3+

FOAMGLAS® T3+ slab is a high performance and long-lasting cellular glass insulation material for the entire building envelope. It is a lightweight, rigid and durable insulation, composed of millions of completely sealed glass cells. FOAMGLAS® T3+ slab offers the best lambda value within our portfolio.



Product features



Applications

Insulation for:

- flat and pitched roofing systems including concrete, timber and metal substrates
- external walls and cavity insulation
- internal insulation including floors, walls and soffits
- below ground and perimeter insulation

Dimensions

Length x width (mm)	600 x 450							
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

Length x width (mm)	600 x 450							
Thickness (mm)	130	140	150	160	170	180	190	200
R _D (m²K/W)	3.60	3.85	4.15	4.40	4.70	5.00	5.25	5.55

Length x width (mm)	1200 x 600						
Thickness (mm)	80	100	120	140	150	160	180
R _D (m²K/W)	2.20	2.75	3.30	3.85	4.15	4.40	5.00

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	600/1200 mm
Width (EN 822) ± 2 mm	450/600 mm
Thermal conductivity (EN ISO 10456)	$\lambda_D \leq 0.036$ W/(m·K)
Reaction to fire (EN 13501-1)	Euroclass A1
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
natureplus® certificate	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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