



FOAMGLAS® TAPERED T4+

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FOAMGLAS® TAPERED T4+ consists of FOAMGLAS® T4+ slabs which are tapered across their width, or sometimes their length. A central arrow stamped onto the top surface indicates the direction of fall.

Form of delivery

length x width [mm]	600 x 450						
average thickness [mm]	60	70	80	90	100	110	120





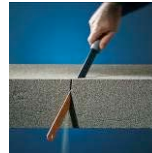





length x width [mm]	600 x 450						
average thickness [mm]	130	140	150	160	170	180	

Standard angles of inclination:
 1.1%, 1.3%, 1.7%, 2.0%, 2.8%, 3.0%, 3.3%, 4.0%, 4.4%, 5.0%, 5.6%, 6.7%.
 Other dimensions and thicknesses are available on request.

General FOAMGLAS® Cellular Glass Insulation characteristics

- Description : FOAMGLAS® Insulation is manufactured from specially graded recycled glass (≥ 60%) 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) : 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

 Waterproof	 Resistant to attack	 High compressive strength	 Acid resistant / chemical resistant	 Easy cut to shape
 Non-combustible	 Impervious to water vapour	 Dimensionally stable	 Ecological	 Radon protection



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1. Product characteristics according to EN 13167 ¹⁾

Density (± 10%) (EN 1602)	: 115 kg/m ³
Thickness, average (EN 823) ± 2 mm	: from 60 to 180 mm
Length (EN 822) ± 2 mm	: 600 mm
Width (EN 822) ± 2 mm	: 450 mm
Thermal conductivity (EN ISO 10456)	: $\lambda_D \leq 0,041 \text{ W/(m}\cdot\text{K)}$
Reaction to fire (EN 13501-1)	: Euroclass A1
Point load (EN 12430)	: $PL \leq 1,0 \text{ mm}$
Compressive strength (EN 826 annexe A)	: $CS \geq 600 \text{ kPa}$
Bending strength (EN 12089)	: $BS \geq 450 \text{ kPa}$
Tensile strength (EN 1607)	: $TR \geq 150 \text{ kPa}$

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 data

Thermal diffusivity at 0°C	: $4.2 \times 10^{-7} \text{ m}^2/\text{sec}$
λ_D -value and mean t° range (EN ISO 13787)	: + 35 °C $\leq 0.045 \text{ W/(m}\cdot\text{K)}$
Product Conformity BS EN 13167 : 2001	: Nr. CL 07020029
BRE Green Guide Rating	: A
Natureplus certificate	: 0406-1101-101-1
Green Spec® Listed	: yes

3. Applications

TAPERED ROOF SYSTEM, cut-to-falls insulation system:

- belowgrade floors and walls
- metal and special roofs
- interior insulation for floors