

FOAMGLAS® TAPERED T3+

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Date: 01.03.2020

Supersedes: 12.03.2018

www.foamglas.com



FOAMGLAS® TAPERED T3+ consists of FOAMGLAS® T3+ 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	130
length x width [mm]	600 x 450							
average thickness [mm]	140	150	160	170	180	190	200	

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

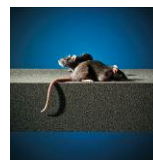
Description	: FOAMGLAS® Insulation is manufactured from specially graded recycled glass ($\geq 60\%$)* and natural raw materials which are available in abundant supply (sand, dolomite, lime...). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or 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 $+430^{\circ}\text{C}$
Water vapour resistance (EN ISO 10456)	: $\mu = \infty$
Hygroscopicity	: zero
Capillarity	: zero
Melting point (cf DIN 4102-17)	: $>1000^{\circ}\text{C}$
Thermal expansion coefficient (EN 13471)	: $9 \times 10^{-6} \text{ K}^{-1}$
Specific heat (EN ISO 10456)	: $1000 \text{ J/(kg}\cdot\text{K)}$
FOAMGLAS® characteristics	:



Time-tested thermal performance



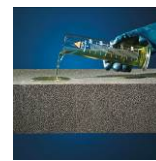
Waterproof



Resistant to attack



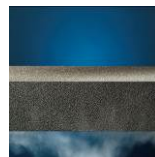
High compressive strength



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 (± 15%) (EN 1602)	: 100 kg/m ³
Thickness, average (EN 823) ± 2 mm	: from 60 to 200 mm
Length (EN 822) ± 2 mm	: 600 mm
Width (EN 822) ± 2 mm	: 450 mm
Thermal conductivity (EN ISO 10456)	: $\lambda_D \leq 0,036 \text{ W/(m}\cdot\text{K)}$
Reaction to fire (EN 13501-1)	: Euroclass A1
Point load (EN 12430)	: PL $\leq 1.5 \text{ mm}$
Compressive strength (EN 826 annexe A)	: CS $\geq 500 \text{ kPa}$
Bending strength (EN 12089)	: BS $\geq 400 \text{ kPa}$
Tensile strength (EN 1607)	: TR $\geq 150 \text{ kPa}$
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 (ISO 14025 and EN 15804)	: EPD-PCE-20150042-IBA1-DE
Certificate natureplus	: 0406-1101-101-1

3. Applications

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

- flat roofs: concrete, metal deck and special roofs
- belowgrade: floors
- interior insulation: floors

* $\geq 60\%$ recycled glass consists of highly selected postconsumer glass and highly selected production scrap/co-products.