

FOAMGLAS® T3+

Page: 1

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FOAMGLAS® T3+

Form of delivery (content per package)

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
units	10	8	7	6	6	5	5	4
square metre [m²]	2.70	2.16	1.89	1.62	1.62	1.35	1.35	1.08

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	4.7	5.0	5.25	5.55
units	4	4	3	3	3	3	3	3
square metre [m²]	1.08	1.08	0.81	0.81	0.81	0.81	0.81	0.81

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 :





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Page: 2 Date: 12.03.2018 Supersedes: 02.01.2017 www.foamglas.com

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) ± 2 mm	: 600 mm
Width (EN 822) ± 2 mm	: 450 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)	: PL ≤ 1.5 mm
Compressive strength (EN 826 annexe A)	: CS ≥ 500 kPa
Bending strength (EN 12089)	: BS ≥ 450 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 (ISO 14025 and EN 15804) : EPD-PCE-20150042-IBA1-DE

3. Applications

Insulation of:

- flat roofs: concrete, metal deck and special roofs
- façades
- interior insulation: walls, ceilings, floors

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