



FOAMGLAS® T3+

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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 | |
| R _D [m²K/W] | 3.60 | 3.85 | 4.15 | 4.40 | 4,7 | 5,0 | |
| units | 4 | 4 | 3 | 3 | 3 | 3 | |
| square metre [m²] | 1.08 | 1.08 | 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

| | | | | |
|---------------------------------|----------------------------|----------------------|---------------------------|-------------------------------------|
| | | | | |
| 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 (EN 823) ± 2 mm | : from 50 to 180 mm |
| Length (EN 822) ± 2 mm | : 600 mm |
| Width (EN 822) ± 2 mm | : 450 mm |
| Thermal conductivity (EN ISO 10456) | : $\lambda_D \leq 0.036 \text{ W/(m}\cdot\text{K)}$ |
| 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 $\geq 450 \text{ kPa}$ |
| Tensile strength (EN 1607) | : TR $\geq 100 \text{ kPa}$ |

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 characteristics

| | |
|--|----------------------------|
| Environmental Product Declaration (ISO 14025 and EN 15804) | : EPD-PCE-20150042-IBA1-DE |
| Certificate natureplus | : 0406-1101-101-1 |

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.