



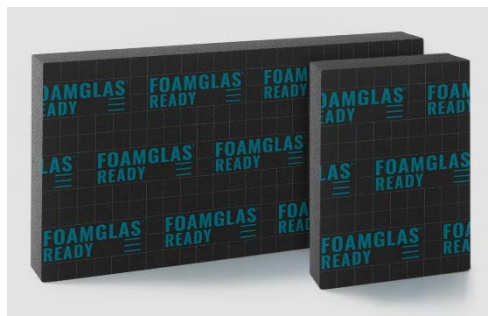
FOAMGLAS® READY T3+

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Date: 01.08.2021

Supersedes: 01.01.2021

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FOAMGLAS® READY T3+ consists of a FOAMGLAS® T3+ slab. The upper surface is coated with a bitumen layer and covered with a PE foil. This allows for direct torch-on of waterproofing sheets.

Form of delivery (content per pallet)

length x width [mm]	600 x 450							
thickness [mm]	50	60	70	80	90	100	110	120
units	96	80	68	60	52	48	40	40
square metre [m ²]	25.92	21.60	18.36	16.20	14.04	12.96	10.80	10.80
length x width [mm]	600 x 450							
thickness [mm]	130	140	150	160	170	180	190	200
units	36	32	32	28	28	24	24	24
square metre [m ²]	9.72	8.64	8.64	7.56	7.56	6.48	6.48	6.48
length x width [mm]	1200 x 600							
thickness [mm]	80	100	120	140	150	160	180	
units	24	18	16	14	12	12	10	
square metre [m ²]	17.28	12.96	11.52	10.08	8.64	8.64	7.20	

Other dimensions and thicknesses are available on request.

General FOAMGLAS® Cellular Glass Insulation characteristics

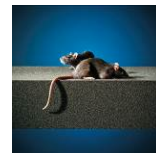
- Description : FOAMGLAS® Insulation is manufactured from specially graded recycled glass and natural raw materials which are available in abundant supply (sand, dolomite, lime...). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders. Without VOC or other volatile substances.
- Reaction to fire (EN 13501-1) : Core 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 :



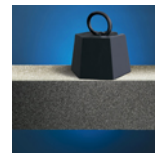
Time-tested thermal performance



Waterproof



Resistant to attack



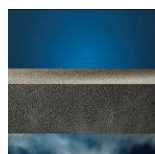
High compressive strength



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 ($\pm 15\%$) (EN 1602)	: 100 kg/m ³
Thickness (EN 823) ± 2 mm	: from 50 to 200 mm (see table page 1)
Length (EN 822) ± 2 mm	: 600 mm
Width (EN 822) ± 2 mm	: 450 mm or 1200 mm
Thermal conductivity (EN ISO 10456)	: $\lambda_D \leq 0.036$ W/(m·K)
Reaction to fire (EN 13501-1)	: Euroclass E (Core material Euroclass A1)
Point load (EN 12430)	: PL ≤ 1.5 mm
Compressive strength (EN 826 annexe A)	: CS ≥ 500 kPa
Bending strength (EN 12089)	: BS ≥ 400 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

λ_D -value and mean t° range (EN ISO 13787)	: + 35 °C ≤ 0.040 W/(m·K)
Environmental Product Declaration (ISO 14025 and EN 15804)	: EPD-PCE-20150042-IBA1-DE

3. Applications

- Insulation system allowing for torch-on roofing.
- flat roofs: bonding on concrete, metal deck and special roofs
 - belowgrade: walls & floors
 - interior insulation: floors