



FOAMGLAS® READY BLOCK T4+

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Date: 15.04.2013

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FOAMGLAS® READY BLOCK T4+ consists of a FOAMGLAS® T4+ slab. The upper surface is covered with a bitumen coating. It allows for direct torch-on of waterproofing sheets.

Form of delivery (content per pallet)

length x width [mm]	600 x 450							
thickness [mm]	40	50	60	70	80	90	100	110
units	120	96	80	68	60	52	48	40
square metre [m ²]	32.40	25.92	21.60	18.36	16.20	14.04	12.96	10.80






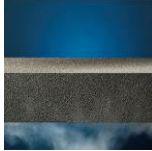


length x width [mm]	600 x 450							
thickness [mm]	120	130	140	150	160	170	180	
units	40	36	32	32	28	28	24	
square metre [m ²]	10.80	9.72	8.64	8.64	7.56	7.56	6.48	

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) : 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

 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 stable



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1. Product characteristics according to EN 13167¹⁾

Density (± 10%) (EN 1602)	: 115 kg/m ³
Thickness (EN 823) ± 2 mm	: from 40 to 180 mm
Length (EN 822) ± 2 mm	: 600 mm
Width (EN 822) ± 2 mm	: 450 mm
Thermal conductivity (EN ISO 10456)	: $\lambda_D \leq 0.041$ W/(m·K)
Reaction to fire (EN 13501-1)	: Euroclass E (Core material Euroclass A1)
Point load (EN 12430)	: PL \leq 1.5 mm
Compressive strength (EN 826 annexe A)	: CS \geq 600 kPa
Bending strength (EN 12089)	: BS \geq 450 kPa
Tensile strength (EN 1607)	: TR \geq 150 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	: 4.2×10^{-7} m ² /sec
λ_D -value and mean t° range (EN ISO 13787)	: + 35 °C \leq 0.045 W/(m·K)
Product Conformity BS EN 13167 : 2001	: Nr. CL 07020029
BRE Green Guide Rating	: A
Green Spec [®] Listed	: yes

3. Applications

Insulation system allowing for direct torch-on of waterproofing sheets:

- flat roofs (cold bonding on concrete using PC[®] 500)
- belowgrade walls (perimeter)