

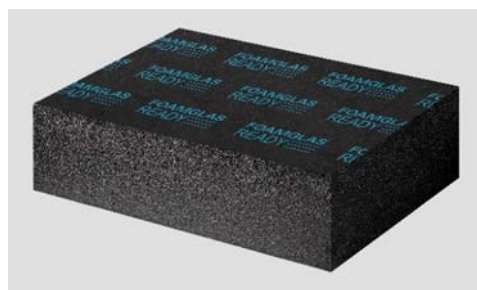
FOAMGLAS® READY F

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FOAMGLAS® READY F consists of a FOAMGLAS® F slab.

The upper surface is covered with a PE foil. 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	120
R _D [m²K/W]	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40
units	120	96	80	68	60	52	48	40	40
square metre [m²]	32.40	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			
R _D [m²K/W]	2.60	2.80	3.00	3.20	3.40	3.60			
units	36	32	32	28	28	24			
square metre [m²]	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

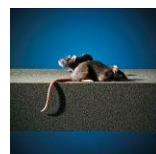
Description	: FOAMGLAS® Insulation is manufactured from specially graded recycled glass (≥ 60%) and natural raw materials which are available in abundant supply (sand, dolomite, lime...). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders. 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	:



Time-tested thermal performance



Waterproof



Resistant to attack



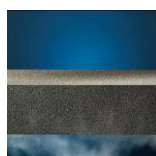
High compressive strength



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 (± 10%) (EN 1602)	: 165 kg/m ³
Thickness (EN 823) ± 2 mm	: from 40 up to 180 mm
Length (EN 822) ± 2 mm	: 600 mm
Width (EN 822) ± 2 mm	: 645 mm
Thermal conductivity (EN ISO 10456)	: $\lambda_D \leq 0.050 \text{ W/(m}\cdot\text{K)}$
Reaction to fire (EN 13501-1)	: Euroclass E (Core material Euroclass A1)
Point load (EN 12430)	: PL $\leq 1.0 \text{ mm}$
Compressive strength (EN 826 annexe A)	: CS $\geq 1600 \text{ kPa}$
Bending strength (EN 12089)	: BS $\geq 550 \text{ kPa}$
Tensile strength (EN 1607)	: TR $\geq 200 \text{ kPa}$

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

Thermal diffusivity at 0°C	: $3.5 \times 10^{-7} \text{ m}^2/\text{sec}$
Flexural modulus of elasticity E	: 1500 MN/m ²
NBS plus	: yes
RIBA - CPD Assessed Material	: yes

3. Applications

Insulation system allowing for torch-on roofing with highest compressive strength requirements:

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