



# FOAMGLAS®

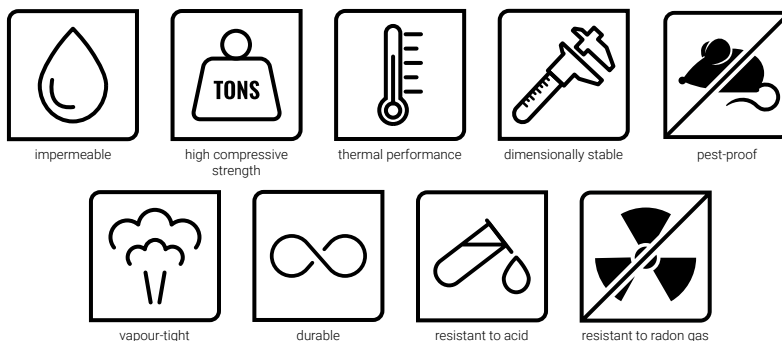
## PRODUCT DATA SHEET

# FOAMGLAS® BOARD T4+

FOAMGLAS® BOARD T4+ consists of FOAMGLAS® T4+ slabs bonded together and covered with a lining. The top side of the insulation board is lined with a PE-glass fleece composite (black with a green print) and the bottom side is lined with a white glass fleece.



### Product features



### Applications

Insulation for:

- below ground and perimeter insulation
- internal insulation including floor and walls
- floor insulation in industrial environments
- foundation slabs

### Dimensions

Length x width (mm)	1200 x 600								
Thickness (mm)	40	50	60	70	80	90	100	110	120
R <sub>D</sub> (m²K/W)	0.95	1.20	1.45	1.70	1.95	2.20	2.40	2.65	2.90

Length x width (mm)	1200 x 600							
Thickness (mm)	130	140	150	160	170	180	190	200
R <sub>D</sub> (m²K/W)	3.15	3.40	3.65	3.90	4.15	4.35	4.60	4.85

**Product characteristics conforming to EN 13167 and ETA-17/0903**

Density (EN 1602) $\pm 15\%$	110 kg/m <sup>3</sup>
Thickness (EN 823) $\pm 2$ mm	40 - 200 mm
Length (EN 822) $\pm 5$ mm	1200 mm
Width (EN 822) $\pm 2$ mm	600 mm
Thermal conductivity (EN ISO 10456)	$\lambda_D \leq 0.041$ W/(m·K)
Reaction to fire (EN 13501-1)	Euroclass E
Point load (EN 12430)	$\leq 1.5$ mm
Compressive strength (EN 826 annexe A)	$\geq 600$ kPa
Characteristic value of compressive stress (ISO 12491:1997) <sup>1)</sup>	$\sigma_{0.05} = 633$ KPa ( $n=50$ , $\sigma_{\text{mean}} = 750$ kPa, $s_0 = 55$ kPa)
Compressive creep (EN 1606)	(1.5/1/50) 225
Bending strength (EN 12089)	$\geq 450$ kPa
Tensile strength (EN 1607)	$\geq 150$ kPa

1) Characteristic value of compressive stress or compressive strength, 5%-fractile value for a one-sided confidence level of 75% under unknown or known variance using ISO 12491:1997.

CE-marking ensures conformity with the mandatory essential requirements of CPR as mentioned in EN 13167; within the Keymark certification all mentioned characteristics are certified by an empowered, notified and accredited 3rd party. ETA-17/0903 in reference to EAD no. 040777-00-1201 for the intended use cellular glass boards as load bearing layer and thermal insulation outside the waterproofing.

**Certificates**

Keymark certificate	Environmental Product Declaration
FM approved	

**General FOAMGLAS® characteristics**

FOAMGLAS® insulation is made of recycled glass and natural raw materials which are available in abundant supply (sand, dolomite, lime, etc.). The insulation is inorganic, contains no ozone depleting propellants, flame resistant additives, binders, Volatile Organic Compounds (VOC's) or other volatile substances.

Water vapour resistance (EN ISO 10456)	$\mu = \infty$
Hygroscopicity (EN ISO 12571)	zero
Capillarity (EN 1015-18)	zero
Thermal expansion coefficient (EN 13471)	$9 \times 10^{-6}$ K <sup>-1</sup>
Specific heat (EN ISO 10456)	1000 J/(kg·K)

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