



FOAMGLAS®

PRODUCT DATA SHEET

FOAMGLAS® READY T4+

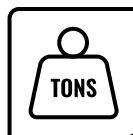
FOAMGLAS® READY T4+ slabs are FOAMGLAS® T4+ slabs coated with a bitumen layer and lined with a PE foil to allow direct torch-on waterproofing membranes.



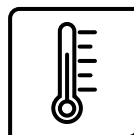
Product features



impermeable



high compressive
strength



thermal performance



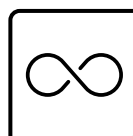
dimensionally stable



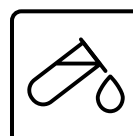
pest-proof



vapour-tight



durable



resistant to acid



resistant to radon gas

Applications

Roofing insulation allowing for torch-on waterproof membranes:

- warm roof applications (flat and pitched) including concrete, timber and metal substrates
- heavy load roofs including vehicle access and equipment plant
- podium insulation

Dimensions

Length x width (mm)	600 x 450								
Thickness (mm)	40	50	60	70	80	90	100	110	120
R _D (m²K/W)	0.95	1.20	1.45	1.70	1.95	2.20	2.40	2.65	2.90

Length x width (mm)	600 x 450							
Thickness (mm)	130	140	150	160	170	180	190	200
R _D (m²K/W)	3.15	3.40	3.65	3.90	4.15	4.35	4.60	4.85

Product characteristics conforming to EN 13167

Density (EN 1602) $\pm 15\%$	110 kg/m ³
Thickness (EN 823) ± 2 mm	40 - 200 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
Point load (EN 12430)	≤ 1.5 mm
Compressive strength (EN 826 annexe A)	≥ 600 kPa
Compressive creep (EN 1606)	(1.5/1/50) 225
Bending strength (EN 12089)	≥ 450 kPa
Tensile strength (EN 1607)	≥ 150 kPa

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.

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)	9×10^{-6} K ⁻¹
Specific heat (EN ISO 10456)	1000 J/(kg·K)

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