



FOAMGLAS®

PRODUCT DATA SHEET

FOAMGLAS® READY F

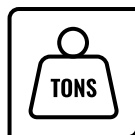
FOAMGLAS® READY F slabs are FOAMGLAS® F slabs coated with a bitumen layer and lined with a PE foil to allow direct torch-on waterproofing membranes.



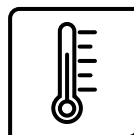
Product features



impermeable



high compressive strength



thermal performance



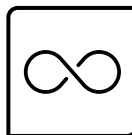
dimensionally stable



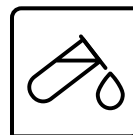
pest-proof



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	80	100	120	150	160	180
R_D (m ² K/W)	0.80	1.00	1.20	1.60	2.00	2.40	3.00	3.20	3.60

Product characteristics conforming to EN 13167 and ETA-20/0221

Density (EN 1602) $\pm 10\%$	165 kg/m ³
Thickness (EN 823) ± 2 mm	40 - 180 mm
Length (EN 822) ± 2 mm	600 mm
Width (EN 822) ± 2 mm	450 mm
Thermal conductivity (EN ISO 10456)	$\lambda_D \leq 0.050$ W/(m·K)
Reaction to fire (EN 13501-1)	Euroclass E
Point load (EN 12430)	≤ 1.0 mm
Compressive strength (EN 826 annexe A)	≥ 1600 kPa
Characteristic value of compressive stress (ISO 12491:1997) ¹⁾	$\sigma_{0.05} = 1558$ KPa ($n=50$, $\sigma_{mean} = 1771$ kPa, $s_0 = 127$ kPa)
Compressive creep (EN 1606)	(1.5/1/50) 600
Bending strength (EN 12089)	≥ 550 kPa
Tensile strength (EN 1607)	≥ 200 kPa

1) Characteristic value of compressive stress or compressive strength, 5%-fractile value for a one-sided confidence level of 75% underunknown 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-20/0221 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

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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