



FOAMGLAS®

PRODUCT DATA SHEET

FOAMGLAS® INVATHERM™

FOAMGLAS® INVATHERM™, is made from cellular glass with a pre-applied inorganic coating¹⁾ for inverted roof applications. The product has an A1 fire reaction and is therefore non-combustible.

1) The shade of the grey coating can vary by batch.



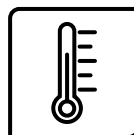
Product features



impermeable



non-combustible



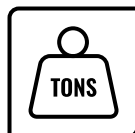
thermal performance



dimensionally stable



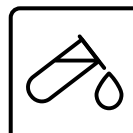
vapour-tight



high compressive
strength



pest-proof



resistant to acid

Applications

Inverted roof insulation for:

- extensive green roofs
- ballasted roofs
- pedestal and paved roofs
- roofing upstands

Dimensions

Length x width (mm)	600 x 450		
Thickness (mm)	100	140	200

Product characteristics conforming to EN 13167

Density (EN 1602) $\pm 15\%$	95 kg/m ³
Thickness (EN 823) ± 2 mm	100 - 200 mm
Length (EN 822) ± 2 mm	600 mm
Width (EN 822) ± 2 mm	450 mm
Thermal conductivity (EN ISO 10456)	$\lambda_D \leq 0.038$ W/(m·K)
Reaction to fire (EN 13501-1)	Euroclass A1
Point load (EN 12430)	≤ 1.5 mm
Compressive strength (EN 826 annexe A)	≥ 400 kPa
Compressive creep (EN 1606)	(1.5/1/50) 225
Bending strength (EN 12089)	≥ 400 kPa
Tensile strength (EN 1607)	≥ 100 kPa
Water absorption in short term (EN 1609)	≤ 0.5 kg/m ²
Water vapour transmission (EN 12086)	∞

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

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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