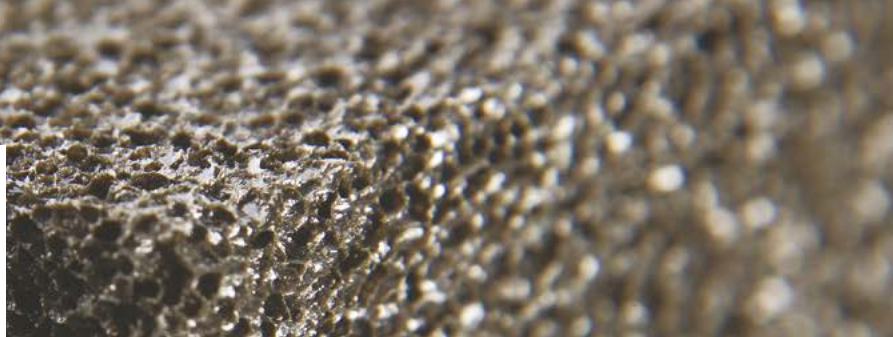




FOAMGLAS®

PRODUCT DATA SHEET

FOAMGLAS® PERINSUL HIGH LOAD



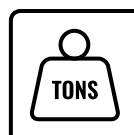
FOAMGLAS® PERINSUL HL is a very high-density insulation product specifically designed to eliminate structural thermal bridging. The upper and lower faces of the insulation block are bitumen coated and covered with a green printed PE/glass fleece composite liner, compatible with masonry mortar. FOAMGLAS® PERINSUL HL must be installed in a single, linear course.



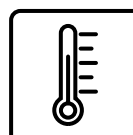
Product features



impermeable



high compressive
strength



thermal performance



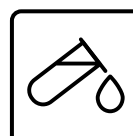
dimensionally stable



vapour-tight



pest-proof



resistant to acid



resistant to radon gas

Applications

Thermal blocks to be used for:

- floor-wall base element
- beneath timber or metal frame sole plates
- parapet upstands
- structural junctions

Dimensions

Thickness x length (mm)	50 x 450		65 x 450		
Width (mm)	115	140	100	140	215

Thickness x length (mm)	100 x 450		115 x 450		
Width (mm)	100	140	115	175	240

Product characteristics conforming to ETA-18/0636

Density (EN 772-16) $\pm 15\%$	200 kg/m ³
Thickness (EN 772-16) ± 3 mm	50, 65, 100, 115 mm
Length (EN 772-16) ± 3 mm	450 mm
Width (EN 772-16) ± 3 mm	100 - 240 mm
Thermal conductivity (EN 1745 + EN 12667) ¹⁾	$\lambda_D \leq 0.068$ W/(m·K)
Reaction to fire (EN 13501-1)	Euroclass E
Point load (EN 12430)	≤ 1.0 mm
Compressive strength (EN 772-1)	F _{mean} (fb) = 2.9 N/mm ²

1) Horizontal thermal conductivity (EN 1745 + EN 12667) is $\lambda_D \leq 0.058$ W/(m·K)

CE-marking ensures conformity with the mandatory essential requirements of CPR. Additional information can be found in Technical Guideline TG2 (available upon request) and ETA-18/0636 (European Technical Approval).

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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