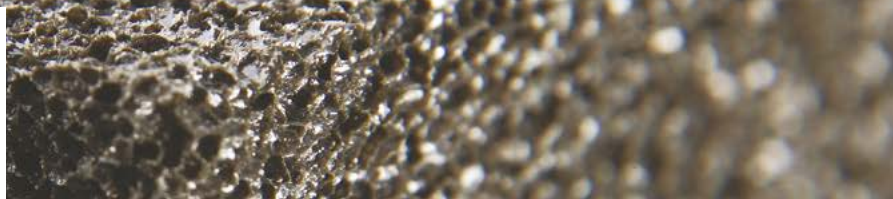




FOAMGLAS®

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.



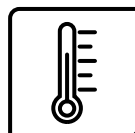
Product features



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							
Width (mm)	90	110	115	140	150	175	190	240

Thickness x length (mm)	65 x 450			100 x 450				
Width (mm)	100	140	215	100	140	190	215	240

Thickness x length (mm)	115 x 450			140 x 450	
Width (mm)	115	175	240	140	215

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, 140 mm
Length (EN 772-16) ± 3 mm	450 mm
Width (EN 772-16) ± 3 mm	90 - 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)

The information contained in this product data sheet is accurate and reliable to the best of our knowledge as of its date issued and is subject to change without prior notice. No guarantee of accuracy is given or implied. This document supersedes and replaces all information supplied prior to the publication hereof. The provision of this information should not be construed as a recommendation to use any of our products, nor to use any of our products in violation of any patent rights or in breach of any statute or regulation.

Since FOAMGLAS® business has no control over installation workmanship, accessory materials or conditions of application, no express or implied warranty of any kind, including those of merchantability or fitness for a particular purpose or course of performance or usage of trade, is made as to the performance of an installation containing FOAMGLAS® products. User is solely responsible for determining whether a FOAMGLAS® product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a FOAMGLAS® product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluates the FOAMGLAS® product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

Liability of FOAMGLAS® business, if any, is strictly limited to replacement of product. In no event shall FOAMGLAS® business be liable for any other damages arising because of product failure, whether incidental, special, consequential or punitive, regardless of the theory of liability upon which any such damages are claimed. Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance.