



# FOAMGLAS® WALL BOARD W+F

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Date: 15.04.2013

Supersedes: 01.02.11

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FOAMGLAS® WALL BOARD W+F consists of FOAMGLAS® W+F slabs bonded together. Both sides of the insulation board are lined with a glass fibre facing, the top side is yellow, the bottom side is white.

**Form of delivery (content per package)**


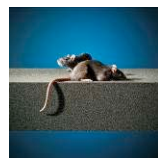




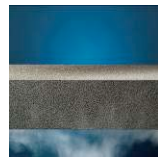
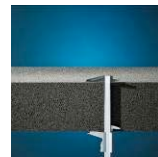


length x width [mm]	1200 x 600					
thickness [mm]	40	50	60	70	80	90
units	6	5	4	4	3	3
square metre [m <sup>2</sup> ]	4.32	3.60	2.88	2.88	2.16	2.16
length x width [mm]	1200 x 600					
thickness [mm]	100	110	120	130	140	
units	3	2	2	2	2	
square metre [m <sup>2</sup> ]	2.16	1.44	1.44	1.44	1.44	

Other dimensions and thicknesses are available on request.

**General FOAMGLAS® Cellular Glass Insulation characteristics**

Description	: FOAMGLAS® Insulation is manufactured from specially graded recycled glass (≥ 60%) and natural raw materials which are available in abundant supply (sand, dolomite, lime...). The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders. Without VOC or other volatile substances.
Reaction to fire (EN 13501-1)	: Core material complying with Euroclass A1, non-combustible, no toxic fumes
Service temperature limits	: from -265°C to +430°C
Water vapour resistance (EN ISO 10456)	: $\mu = \infty$
Hygroscopicity	: zero
Capillarity	: zero
Melting point (cf DIN 4102-17)	: >1000 °C
Thermal expansion coefficient (EN 13471)	: $9 \times 10^{-6} \text{ K}^{-1}$
Specific heat (EN ISO 10456)	: 1000 J/(kg·K)

**FOAMGLAS® characteristics**

 Waterproof	 Resistant to attack	 High compressive strength	 Acid resistant / chemical resistant	 Easy cut to shape
 Non-combustible	 Impervious to water vapour	 Dimensionally stable	 Ecological	 Radon protection



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## 1. Product characteristics according to EN 13167 <sup>1)</sup>

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Density (± 10%) (EN 1602)	: 100 kg/m <sup>3</sup>
Thickness (EN 823) ± 2 mm	: from 40 up to 140 mm
Length (EN 822) ± 5 mm	: 1200 mm
Width (EN 822) ± 2 mm	: 600 mm
Thermal conductivity (EN ISO 10456)	: $\lambda_D \leq 0.038$ W/(m·K)
Reaction to fire (EN 13501-1)	: Euroclass E (Core material Euroclass A1)
Compressive strength (EN 826 annexe A)	: CS $\geq$ 400 kPa
Tensile strength (EN 1607)	: TR $\geq$ 100 kPa

<sup>1)</sup> CE-marking ensures conformity with the mandatory essential requirements of CPD as mentioned in EN 13167; within the CEN Keymark certification all mentioned characteristics are certified by an empowered, notified and accredited 3<sup>rd</sup> party.

## 2. Additional product data

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Thermal diffusivity at 0°C	: $4.4 \times 10^{-7}$ m <sup>2</sup> /sec
$\lambda_D$ -value and mean t° range (EN ISO 13787)	: + 35 °C $\leq$ 0.042 W/(m/K)
Product Conformity BS EN 13167 : 2001	: Nr. CL 07020029
BRE Green Guide Rating	: A+
Green Spec® Listed	: yes

## 3. Applications

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No compressive strength requirements, insulation of:

- façades
- walls and soffits (interior insulation behind brick lining or metal stud constructions)