



FOAMGLAS® SKYPEARLS 38

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FOAMGLAS® SKYPEARLS 38 is cellular glass with a pre-applied inorganic coating* on the front face. Both the core material and the coating have an A1 -fire classification and therefore is incombustible.

Form of delivery (content per pallet)

length x width [mm]	600 x 450							
thickness [mm]	100	110	120	130	140	150	160	170
units	48	40	40	36	32	32	28	28
square metre [m ²]	12.96	10.8	10.8	9.72	8.64	8.64	7.56	7.56

length x width [mm]	600 x 450							
thickness [mm]	180	190	200					
units	24	24	24					
square metre [m ²]	6.48	6.48	6.48					

* Color: Shade of grey cannot be guaranteed and can vary in batch

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) : 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

Time-tested thermal performance	Waterproof	Resistant to attack	High compressive strength	Acid resistant / chemical resistant
Non-combustible	Impervious to water vapour	Dimensionally stable	Ecological	Radon protection

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1. Product characteristics according to EN 13167 ¹⁾

Density ($\pm 15\%$) (EN 1602)	: 100 kg/m ³
Thickness (EN 823) ± 2 mm	: from 100 to 200 mm
Length (EN 822) ± 2 mm	: 600 mm
Width (EN 822) ± 2 mm	: 450 mm
Squareness (EN 824)	: $S_{l,b} \leq 5$ mm/m, $S_d \leq 2$ mm
Flatness (EN 825)	: ≤ 2 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)	: $PL \leq 1.5$ mm
Point load Top (EN 12430)	: $PL \leq 1$ mm ($\leq 0,5$ mm)
Compressive strength (EN 826 annexe A)	: $CS \geq 400$ kPa
Bending strength (EN 12089)	: $BS \geq 450$ kPa
Tensile strength (EN 1607)	: $TR \geq 100$ kPa
Dimensional stability after 48h @ 70°C & 90% RH (EN 1604)	: $DS(70,90)$, $\Delta\epsilon_{l,b} \leq 0,5$ %, $\Delta\epsilon_d \leq 1$ %
Water absorption on short term (EN 1609)	: $WS \leq 0,5$ kg/m ²
Water vapour resistance (EN ISO 10456)	: ∞
Color	: grey ²⁾

- 1) CE-marking ensures conformity with the mandatory essential requirements of CPR as mentioned in EN 13167; within the CEN Keymark certification all mentioned characteristics are certified by an empowered, notified and accredited 3rd party.
- 2) Color: Shade of grey cannot be guaranteed and can vary in batch.

2. Additional product characteristics

λ_D -value and mean t° range (EN ISO 13787) : + 35 °C ≤ 0.042 W/(m/K)

3. Applications

Façades

- Ventilated
- Green Facades

Interior applications

- Air Ducts/ Ventilation Shafts
- Parking Garages (Ceilings)
- Indoor Applications (Walls, Ceilings)