

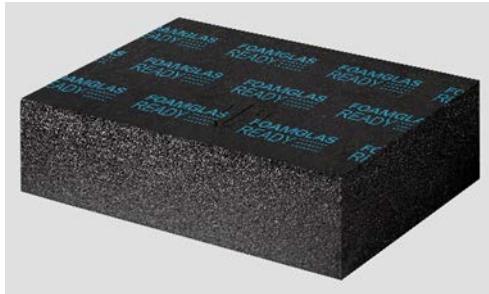
FOAMGLAS® READY TAPERED S3

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Date: 01.08.2021

Supersedes: 01.01.2019

www.foamglas.com



FOAMGLAS® READY TAPERED S3 consists of FOAMGLAS® READY S3 slabs which are tapered across their width, or sometimes their length. A central arrow stamped onto the top surface indicates the direction of fall.

The upper surface is covered with a bitumen coating. It allows for direct torch-on of waterproofing sheets.

Form of delivery

| | | | | | | | | |
|------------------------|-----------|-----|-----|-----|-----|-----|-----|-----|
| length x width [mm] | 600 x 450 | | | | | | | |
| average thickness [mm] | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 |
| length x width [mm] | 600 x 450 | | | | | | | |
| average thickness [mm] | 140 | 150 | 160 | 170 | 180 | 190 | 200 | |

Standard angles of inclination:

1.1%, 1.3%, 1.7%, 2.0%, 2.8%, 3.0%, 3.3%, 4.0%, 4.4%, 5.0%, 5.6%, 6.7%.

Other dimensions and thicknesses are available on request.

General FOAMGLAS® Cellular Glass Insulation characteristics

- Description : FOAMGLAS® Insulation is manufactured from specially graded recycled glass 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 (± 10%) (EN 1602) | : 130 kg/m ³ |
| Thickness, average (EN 823) ± 2 mm | : from 60 to 200 mm |
| Length (EN 822) ± 2 mm | : 600 mm |
| Width (EN 822) ± 2 mm | : 450 mm |
| Thermal conductivity (EN ISO 10456) | : $\lambda_D \leq 0.045 \text{ W/(m}\cdot\text{K)}$ |
| Reaction to fire (EN 13501-1) | : Euroclass E (Core material Euroclass A1) |
| Point load (EN 12430) | : PL $\leq 1.0 \text{ mm}$ |
| Compressive strength (EN 826 annexe A) | : CS $\geq 900 \text{ kPa}$ |
| Bending strength (EN 12089) | : BS $\geq 500 \text{ kPa}$ |
| Tensile strength (EN 1607) | : TR $\geq 200 \text{ kPa}$ |

1) 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 3rd party.

2. Additional product data

| | |
|--|---|
| Thermal diffusivity at 0°C | : $4.1 \times 10^{-7} \text{ m}^2/\text{sec}$ |
| λ_D -value and mean t° range (EN ISO 13787) | : + 35 °C $\leq 0.049 \text{ W/(m}\cdot\text{K)}$ |
| Product Conformity BS EN 13167 : 2001 | : Nr. CL 07020029 |
| BRE Green Guide Rating | : A |
| NBS plus | : yes |
| RIBA - CPD Assessed Material | : yes |

3. Applications

READY BLOCK TAPERED ROOF SYSTEM, cut-to-falls insulation system:

- flat roofs (cold bonding on concrete using PC® 500)
- metal and special roofs
- belowgrade floors and walls
- interior insulation for floors

Insulation system allowing for direct torch-on of waterproofing sheets.