

### ShieldGLASS Cellular Glass Insulation

#### Description

ShieldGLASS is a Non Combustible A1 Fire Rated cellular glass rigid thermal insulation board, suitable for all types of inverted flat roofs. It is also a highly durable product with an excellent compressive strength which makes it an ideal insulation material for load bearings areas, such as, floors, walkways, terraces, podium roofs, balconies, vehicle parking, and for supporting M&E equipment.

The insulation is totally inorganic, contains no ozone depleting propellants, flame resistant additives or binders and contains no volatile organic compounds or other volatile substances. Manufactured from specially graded recycled glass and natural raw materials.



#### TECHNICAL INFORMATION

Thermal Conductivity (W/(m.k):	0.050	EN 12 667
Reaction to Fire:	A1	EN 13 501-1
Thickness (mm):	30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140	
Length and width (mm):	600 x 450	
Compressive Strength:	CS (Y) 700	EN 826
Point load:	PL(P) 1.5	EN 12 430
Bending strength:	BS400	EN 12 089
Water vapour permeability:	∞ - Infinite	EN 12 086
Density (kg/m <sup>3</sup> )	121-140	

#### Features

- High compressive strength
- Non-combustible (Euroclass A1 fire rating)
- Suitable for inverted applications
- Impervious to water vapour
- Easy handling and installation

#### Installation

ShieldGLASS Insulation is laid over a compatible and complete waterproofing system, generally starting at the point of access in a brick bond pattern. The products must be laid flat and tightly interlocked to prevent gaps in the insulation layer.

The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Shield Membranes reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.

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**You're protected with Shield on your side™**

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