

Ecologically FOAMGLAS® cellular glass meets the most stringent demands for an environmentally sound material. In manufacturing, 66% post-consumer waste glass is utilised, combined with a manufacturing process which minimises energy. The result is an insulation material which provides high performance throughout the lifetime of the building, through to its eventual disposal as an inert material or its re-use. FOAMGLAS® is totally free from HCFC, HFA and pentane, exceeds the requirements of the Building Regulations and has Agrément Certification.



**Size:** Length 1200mm  
Width 600mm

**Density** (± 10% tolerance)

**Thermal conductivity**  
at 10°C (± 5% tolerance)

**Compressive strength**

**Flexural strength**

**Flexural modulus of elasticity**

**Co-efficient of thermal expansion**

**Specific heat**

**Thermal diffusivity at 0°C**

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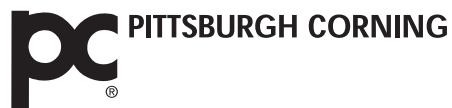
**Specific heat**

**Thermal diffusivity at 0°C**

We guarantee the physical properties of FOAMGLAS® cellular glass insulation. A safety factor is used in conjunction with the physical properties of FOAMGLAS®; a factor of 3 is frequently used, but our Technical Department will be pleased to meet your design requirements. FOAMGLAS® cellular glass properties are given at ambient temperatures and correspond to ASTM C 165, C 177, C 203, C 240-85, C 303, C 518, E 96 and E 136 test methods. Values for product properties result from standard test methods for cellular glass and are given according to these standards.

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## WALLBOARD

Thicknesses (mm):  
40, 50, 60, 70, 80, 90, 100, 120, 130,  
140, 150

105kg/m<sup>3</sup>

0.040 W/mK

400 kN/m<sup>2</sup>

300 kN/m<sup>2</sup>

600 MN/m<sup>2</sup>

9.0 x 10<sup>-6</sup>/K

0.84 kJ/kgK  
(840 J/kgK)

4.4 x 10<sup>-7</sup>m<sup>2</sup>/sec

## P+R BOARD

Thicknesses (mm):  
50, 80

105kg/m<sup>3</sup>

0.040 W/mK

400 kN/m<sup>2</sup>

300 kN/m<sup>2</sup>

600 MN/m<sup>2</sup>

9.0 x 10<sup>-6</sup>/K

0.84 kJ/kgK  
(840 J/kgK)

4.4 x 10<sup>-7</sup>m<sup>2</sup>/sec

## FLOORBOARD

Thicknesses (mm):  
40, 50, 60, 70, 80, 90, 100, 120, 130,  
140, 150

120kg/m<sup>3</sup>

0.042 W/mK

700 kN/m<sup>2</sup>

400 kN/m<sup>2</sup>

800 MN/m<sup>2</sup>

9.0 x 10<sup>-6</sup>/K

0.84 kJ/kgK  
(840 J/kgK)

4.2 x 10<sup>-7</sup>m<sup>2</sup>/sec

## READYBOARD

Thicknesses (mm):  
50, 60, 70, 80, 100, 120, 130, 140, 150

120kg/m<sup>3</sup>

0.042 W/mK

700 kN/m<sup>2</sup>

400 kN/m<sup>2</sup>

800 MN/m<sup>2</sup>

9.0 x 10<sup>-6</sup>/K

0.84 kJ/kgK  
(840 J/kgK)

4.2 x 10<sup>-7</sup>m<sup>2</sup>/sec

### Physical properties

#### Composition

Alumino-silicate cellular glass with a specially elaborated composition; totally inorganic; contains no binders

#### Temperature limits

From -273.15°C (absolute zero) to +485°C

#### Softening point

Glass softening point: approx. 730°C

#### Water absorption

Zero

#### Hygroscopicity

Zero

#### Permeability

Zero

## FLOORBOARD F

Thicknesses (mm):  
40, 50, 60, 80, 100, 120, 140, 150

160kg/m<sup>3</sup>

0.050 W/mK

1700 kN/m<sup>2</sup>

600 kN/m<sup>2</sup>

1500 MN/m<sup>2</sup>

9.0 x 10<sup>-6</sup>/K

0.84 kJ/kgK  
(840 J/kgK)

3.5 x 10<sup>-7</sup>m<sup>2</sup>/sec

## READYBLOCK

**Size:** Length 600mm Width 600mm

Thicknesses (mm):  
70, 80, 90, 100, 110, 120, 130, 140, 150,  
160

120kg/m<sup>3</sup>

0.042 W/mK

700 kN/m<sup>2</sup>

400 kN/m<sup>2</sup>

800 MN/m<sup>2</sup>

9.0 x 10<sup>-6</sup>/K

0.84 kJ/kgK  
(840 J/kgK)

4.2 x 10<sup>-7</sup>m<sup>2</sup>/sec

#### Capillarity

Zero

#### Resistance to acids

Impervious to common acids and their fumes

#### Fire

Non-combustible, no toxic fumes

#### Dimensional stability

Perfect

#### Resistance to water vapour transmission

$\mu = \infty$

#### Sound transmission loss

(average at normal frequency)

28 dB for a 100mm thickness

**FOAMGLAS®**  
**Building**

[www.foamglas.co.uk](http://www.foamglas.co.uk)