

## Perimeter Plus™ (for insulating new timber frame walls)

### Description

Knauf Insulation Perimeter Plus™ is a bonded, virgin glass wool blowing insulation with high thermal resistance characteristics for timber frame construction.



Blow-in-Blanket® System (BIBS) is a patented process consisting of glass mineral wool loose fill blown in behind a special netting material for timber frame construction. Perimeter Plus™ Blowing Insulation is used in both new and existing structures as a Blow-In-Blanket System for closed cavity applications in which ventilation is not required.

### Application

Density (kg/m³)	Angle range (°)	Thermal conductivity (W/mK)	Application
12.0	0-15	0.042	Open loft
19.0	0-25	0.038	Enclosed rafter spaces
23.0	0-90	0.036	Enclosed rafter spaces and timber frame stud walls
26.0	0-90	0.034	
30.0	0-90	0.033	

### Thermal resistance values for 26kg/m³

Thickness (mm)	Thermal resistance (m²K/W)	Maximum coverage per bag (m²) contents of this bag should not cover more than:
90	2.60	6.20
140	4.10	3.98
200	5.85	2.79
300	8.80	1.86

All dimensions are nominal

Bag net weight - Nominal 14.5kg

### Performance

#### Thermal

- Perimeter Plus™ has a range of thermal conductivities between 0.033 - 0.042W/mK depending on the density required in the application.

#### Fire

- Perimeter Plus™ is classified as Euroclass A1b EN ISO 13501-1

#### Acoustic performance

- Perimeter Plus™ has excellent sound absorption characteristics.

#### Benefits

- Ultra high energy saving
- Quick and clean to install
- Made using recycled glass bottles
- Installed from inside the house
- Fills all voids
- Non-combustible
- High sound absorption

### Features and Benefits

Excellent thermal properties, fills all gaps and voids, creating a thermal barrier against outside air thereby improving temperature control.

#### Environmental

Perimeter Plus™ conserves energy and therefore assists in reducing demand for fuels for the heating and

### International

- [www.knaufinsulation.com](http://www.knaufinsulation.com)
- [www.knauf.com](http://www.knauf.com)
- [www.knaufinsulation.co.uk](http://www.knaufinsulation.co.uk)

air-conditioning of buildings. As a result, they reduce the emissions of the major greenhouse gas, CO<sub>2</sub>. The energy and CO<sub>2</sub> emissions saved by the products in use vastly outweigh those generated in their manufacture. **Perimeter Plus™ has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

**Thermal performance**

- The stated thermal conductivity is provided by installing in accordance with the manufacturer's instructions.

**Vapour resistance – resistivity**

- Perimeter Plus™ offers negligible resistance to the passage of water vapour and has a vapour resistivity of 7.00 MN.s/g.m.

**Noise reduction**

- Improves sound insulation performance of construction element into which it is installed.

**Non-corrosive**

- Will not accelerate the corrosion of aluminum, steel or copper.

**Resists microbial growth**

- Does not promote the growth of fungi or bacteria and will not rot or sustain vermin, rodents or insects.

**Poly bag packaging**

- Excellent protection from on site dust and moisture, unitised packaging eases movement in the warehouse and reduces storage space.

**Speed of installation**

- Saves installation time by minimising the steps needed to fully insulate tight corners and hard to reach areas