

## Loft Insulation Products

Spacesaver, Spacesaver Plus, General Purpose Roll

Glass mineral wool insulation rolls suitable for providing thermal and acoustic insulation in domestic-type pitched roofs.



### Description

ISOVER Spacesaver and Spacesaver Plus are high quality thermal and acoustic insulating mats in roll form, perforated along the roll to allow the user to use full, half or third width options in roof spaces.

ISOVER General Purpose Roll is supplied in ready-cut widths to suit normal roof joist spaces.

The strong, resilient and flexible mats are supplied compression packed and are easy to cut and install.

### Standards



Certificate number: FM 01032

ISOVER Loft Insulation products are manufactured under BSI Quality Management Standard BS EN ISO 9001:2000.

### Benefits

- ISOVER Spacesaver and Spacesaver Plus – three products in one roll, therefore reducing storage space.
- General Purpose Roll – two convenient ready-cut widths.
- Excellent thermal and acoustic performance.
- Exceptional tear strength.
- Completely fire safe – Euroclass A1 fire rating when classified in accordance with BS EN 13501-1.
- Durable – not easily damaged in storage, during transport or on site when installed.
- Does not absorb water.
- Easy to install.
- Long product life – will not age.

### Fire Performance

Completely fire safe – Euroclass A1 fire rating when classified in accordance with BS EN 13501-1.

### Durability

- Odourless, inert and fully compatible with all standard building materials and components.
- Will not accelerate corrosion with steel, copper or aluminium.
- Will not sustain vermin.
- Will not breed or promote fungi or bacteria.
- Non-hygroscopic and will not slump or consolidate in normal applications.

### Ecological Information

ISOVER Loft Insulation products are made from glass mineral wool, one of the most environmentally friendly insulants available.

### Sustainable

ISOVER Loft Insulation products are manufactured from silica sand, the earth's most abundantly occurring mineral and a sustainable, infinite resource.

### Recyclable

Approximately 80% of the raw material used in the production of ISOVER Loft Insulation products is recycled, far more than any comparable product. The recycled material can be post-consumer glass (from housing generation projects) or waste glass from bottle and flat glass manufacture, which would otherwise go to landfill.

### Environmental

The manufacturing process does not use or contain CFC's, HCFC's or other damaging gases - nor has it ever. In addition, the unique resilience of ISOVER glass mineral wool enables high compression packing which means more insulation in a smaller space than almost any other insulant. The result is better vehicle utilisation, reducing the environmental impact of transportation.

### EcoHomes/Sustainable Homes

ISOVER Loft Insulation products achieve full credit under EcoHomes performance for zero Ozone Depletion Potential (ODP) and a Global Warming Potential (GWP) of less than 5.

# Product Performance & Characteristics

## Thermal Performance

Thermal conductivity (Lambda value)

ISOVER Spacesaver/General Purpose Roll 0.043 W/m.K

ISOVER Spacesaver Plus 0.040 W/m.K

## Lofts – Insulating between the joists

The tables on the right show the U-values achieved using Isover Insulation laid in the roof void. U-values are based on the first 100mm layer of insulation laid between the joists, and the remaining thickness installed as a second layer, cross laid over the joists to reduce cold bridging.

ISOVER Spacesaver / General Purpose Roll		
Thickness of ISOVER Insulation (mm)		U-value
1st layer	2nd layer	W/m <sup>2</sup> .K
100	170	0.16
100	200	0.15

  

ISOVER Spacesaver Plus		
Thickness of ISOVER Insulation (mm)		U-value
1st layer	2nd layer	W/m <sup>2</sup> .K
100	150	0.16
100	200	0.13

## Acoustic Performance

Glass mineral wool is a highly efficient sound absorbing material, providing noise control in a wide variety of applications. Sound absorption data on ISOVER glass wool insulation products can be supplied on request.

ISOVER loft insulation products will also meet the generic description for acoustic products as described in national Building Regulations for England, Wales and Scotland.

# Packaging and Physical Dimensions



ISOVER Loft Insulation is manufactured in roll form. The rolls are compression packed in individual packs using a strong polythene packaging film. The packs are then stacked on wooden pallets with final weatherproof outer covering, giving the option of outside storage.

Spacesaver Roll				
R-value	Thickness (mm)	Width* (mm)	Length (m)	Pack area (m <sup>2</sup> )
2.33	100	1160	9.17	10.64
3.49	150	1160	6.03	6.99
3.95	170	1160	5.39	6.25
4.65	200	1160	3.88	4.50

General Purpose Roll				
R-value	Thickness (mm)	Width* (mm)	Length (m)	Pack area (m <sup>2</sup> )
2.33	100	2x580	9.17	10.64
		3x386	9.17	10.62
3.49	150	2x580	6.03	6.99
		3x386	6.03	6.99
4.65	200	2x580	3.88	4.50
		3x386	3.88	4.50

Spacesaver Plus				
R-value	Thickness (mm)	Width* (mm)	Length (m)	Pack area (m <sup>2</sup> )
2.50	100	1160	7.00	8.12
3.75	150	1160	4.67	5.42
5.00	200	1160	3.50	4.06

\*With pre-cut perforations, Spacesaver and Spacesaver Plus can provide widths of 386mm, 580mm and 1160mm from a single roll

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