



# Loft Insulation Products

CI/sfb | (21.9) | Rm1 | (M2) |  
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Spacesaver, Spacesaver Plus and General Purpose Roll providing thermal insulation in domestic loft spaces.

## DESCRIPTION

Spacesaver and Spacesaver Plus are high quality thermal insulation mats in roll form, perforated along the roll to allow the user the choice of full, half or third width options from a single roll.

General Purpose Roll is supplied in ready-cut widths to suit normal roof joist spaces in modern roof constructions. The strong, resilient and flexible mats are supplied compression packed and are easy to cut and install.

## STANDARDS

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



Certificate number: FM 01032

## BENEFITS

- Spacesaver and Spacesaver Plus - three products in one roll, therefore reducing storage space
- General Purpose Roll - two convenient ready-cut widths
- Exceptional tear strength
- Totally non-combustible
- Durable - not easily damaged in storage, during transport or on site when installed
- 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.

## ENVIRONMENTAL INFORMATION

Isover glass wool insulation is manufactured from a combination of silica sand and up to 80% recycled post-consumer glass from building regeneration projects or flat glass manufacture that would otherwise go to landfill. This makes Isover one of the most environmentally sustainable insulation products on the market today. The material credentials of installing Isover glass mineral wool insulation include:

- Zero ODP (Ozone Depletion Potential)



- Zero GWP (Global Warming Potential)



## BRE GREEN GUIDE SPECIFICATION

Product rating: Glass mineral wool insulation products have a 'best-in-class' A+ rating (via generic listing).

Construction rating: Common roof constructions which are insulated with Isover loft insulation products will typically deliver an A+ rating for that particular element.

## CODE FOR SUSTAINABLE HOMES

Category 3: Materials.

Issue 1D: Mat 1 - Environmental impact of materials. 'Cold roof' constructions insulated with Isover loft insulation products will have BRE Green Guide ratings of A+ or A depending upon choice of roof tiles.

Category 6: Pollution.

Global warming potential of insulants. The manufacture, installation, use and disposal of Isover insulation products can significantly reduce global warming.



The World's Leading Acoustic and Thermal Insulation

## BUILDING REGULATIONS COMPLIANCE

### England and Wales - Part L 2006

New build properties: The required wall U-value will be decided by the designer based on a whole-building 'SAP 2005' computer assessment of carbon emissions. The U-value can vary depending upon several factors, including air leakage rate and heating fuel type. Extension work to existing buildings: There are specified U-values for newly constructed elements in an extension.

### Scotland - Section 6

There are two methods of demonstrating compliance, of which the Elemental Method, with stipulated U-values for roof, wall and floor elements, is the simplest. For extensions, there is a prescribed U-value.

## THERMAL PERFORMANCE

### Thermal conductivity (Lambda value)

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

## PACKAGING AND PHYSICAL DIMENSIONS

Loft insulation products are 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.



	England and Wales		Scotland	
Element	Isover recommended U-values for new buildings (W/m <sup>2</sup> .K)	Actual U-values for extensions (W/m <sup>2</sup> .K)	Elemental U-values for new dwellings (W/m <sup>2</sup> .K)	Actual U-values for extensions (W/m <sup>2</sup> .K)
Pitched roof-insulation at ceiling level	0.13	0.16	0.16	0.16

### Spacesaver / General Purpose Roll

Thickness of Isover insulation (mm)			U-value W/m <sup>2</sup> .K
1st layer	2nd layer		
100	170		0.16
100	200		0.15

### Spacesaver Plus

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

### 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

### 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

### 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

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

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