

# Insulation

The Isover glass mineral wool insulation range from Saint-Gobain Isover UK provides fire-safe thermal and acoustic insulation for masonry, steel frame and timber constructions, and is tested and recommended for use in British Gypsum systems.

Each of these high quality roll, batt or slab products is engineered to cost-effectively fulfil specific performance criteria. Their natural mineral base, very high percentage use of recycled material and lack of CFC, HCFC and other damaging gases, either in the products or their manufacturing process, ensures excellent environmental credentials, in addition to their energy-saving properties.



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## Isover Hi-Therm

### Characteristics

Foil-faced high performance glass mineral wool slab.  
Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*.



### Application

Installed as a partial-cavity fill in masonry external walls to provide thermal insulation.

### Standards and certification

BBA approved.

### Thermal conductivity

-  0.031W/mK (thicknesses up to and including 50mm).
-  0.032W/mK (thicknesses 50mm and over).

**NB** The thermal conductivity shown above relates to the mineral wool only. The low emissivity foil increases the thermal resistance of the adjacent airspace.



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
25	455	1200	9.83	15	147.45
50	455	1200	4.91	15	73.65
65	455	1200	3.82	20	76.40

## Isover Hi-Cav

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. High performance mineral wool slab providing full-fill thermal insulation in masonry cavity walls.

### Application

Designed to aid compliance with Building Regulations Part L1 and L2 2005 without increasing wall width or house 'foot print'.

### Standards and certification

BBA approved.

### Thermal conductivity

$\lambda$  0.033W/mK.

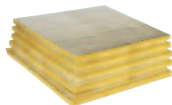


Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
60	450	1200	7.56	15	113.40
75	450	1200	6.48	15	97.20
85	450	1200	5.40	15	81.00
100	450	1200	4.32	15	64.80

## Isover Steel Frame Batts

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. Foil faced 1200mm x 1200mm mineral wool slab providing thermal and acoustic insulation in steel framed construction.



### Application

Suitable for use in light-weight steel frame infill walling systems.

### Thermal conductivity

$\lambda$  0.032W/mK.

**NB** The thermal conductivity shown above relates to the mineral wool only. The low emissivity foil increases the thermal resistance of the adjacent airspace.

Thickness mm	Width mm	Length mm	Batts/ Pallet	Pallet area m <sup>2</sup>
56	1200	1200	36	51.84

## Isover Cavity Barriers

### Characteristics

Designed to restrict the spread of smoke and flames in all concealed cavities in masonry, steel frame and timber frame walls. Reduces flanking sound transmission in external wall cavities. Simple acoustic and fire solution at 'T' junction details including timber frame. Three colour-coded sizes for ease of identification. Long length for single, full story height applications with no joints.



### Application

Designed to restrict the spread of smoke and flames in concealed cavities, particularly in cavities within external masonry or timber frame walls. Will also help to comply with acoustic requirements as required by the national Building Regulations Part E.

Width mm	Nominal mm	Barriers/ Pack
<b>For cavity sizes 50-65mm</b>		
300	2400	8
300	1200	13
100	1200	50
<b>For cavity sizes 66-80mm</b>		
300	2400	5
300	1200	10
100	1200	40
<b>For cavity sizes 81-100mm</b>		
300	2400	5
300	1200	10
100	1200	40

## Isover Timber Frame Batts and Rolls

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. Does not shrink, slump or consolidate in normal building applications. Excellent acoustic performance.



### Application

Rolls and Batts suitable for use in timber frame external and party wall constructions. The products self-support between the studs at 600mm centres and require no additional fixings. The Batts are designed so that two batts, end-to-end, will fit frames of standard domestic storey height without cutting.

Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
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#### Frame Roll 35

90	2x570	5.30	6.04	18	108.72
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#### Frame Batt HP 32

50	570	1.175	6.03	16	96.48
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90	570	1.175	3.35	20	67.00
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#### Frame Batt 33

95	570	1.175	4.02	20	80.40
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#### Frame Batt 35

100	570	1.175	5.36	16	85.76
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150	570	1.175	4.02	16	64.32
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#### Timber Frame Batt 43

90	570	1.175	8.04	24	192.96
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140	570	1.175	5.36	24	128.64
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## Isover APR 1200

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. A proven high performance acoustic insulant, providing acoustic enhancement to British Gypsum warranted and performance related systems.

### Application

British Gypsum metal stud partitions and wall linings.  
Timber stud partition and separating walls. Timber floors.



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
25	2x600	20.00	24.00	24	576.00
50	2x600	13.00	15.60	24	374.40
65	2x600	10.00	12.00	24	288.00
75	2x600	12.20	14.64	24	351.36
100	2x600	9.17	11.00	24	264.00



## Isover Acoustic Slabs

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. Provides thermal and acoustic benefits in wall linings and partitions. Does not shrink, slump or consolidate in normal building applications.

### Application

British Gypsum metal stud partitions and wall linings.  
Timber stud partition and separating walls. Timber floors.



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
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### Multi-Purpose Slabs

50	600	1200	14.40	16	230.40
75	600	1200	11.52	16	184.32
100	600	1200	7.20	16	115.20

### High Performance Slabs

50	600	1200	11.52	20	230.40
75	600	1200	7.20	20	144.00
100	600	1200	5.76	20	115.20

## Isover RD35

### Characteristics

Foil faced acoustic slab, totally non-combustable, within Euroclass A1 rating.

### Application

Installed as a partial-fill in the cavity of Robust Detail party wall construction E-WM-8 in houses and apartments, ensuring compliance with national Building Regulations Part E acoustic performance requirements without the need for sound testing on site.

### Standards and Certification

Approved by Robust Details Limited.



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
35	455	1200	6.55	20	131.00

## Isover Sound Deadening Floor Roll

### Characteristics

Faced on one side with Kraft paper for additional tear strength and has a longitudinal flange for joint sealing purposes.



### Application

Meets the resilient layer specification for Type 2.1C (b) concrete base intermediate separating floors, with either timber or screed floating layer, as described in the national Building Regulations.

Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
25	1200	10.0	12.00	24	288.00

## Isover Acoustic Floor Slabs

### Characteristics

Mineral wool acoustic slabs providing impact sound insulation in party floors to meet national Building Regulations Part E performance requirements.

### Application

#### *Sound Deadening Floor Slab - Rigid Grade*

*Site tested solution:* Provides the mineral wool resilient layer in a type 3.1A timber base floor without the need for additional support to the walking surface.

#### *RD Acoustic Floor Slab*

*No site testing required:* Meets the mineral wool resilient layer specification in Robust Detail floors E-FC-1, E-FC-2, E-FC-3 and E-FS-1 (FFT4 resilient system).



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
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#### **Sound Deadening Floor Slab - Rigid Grade**

25	625	1200	6.00	18	108.00
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#### **RD Acoustic Floor Slab**

25	625	1200	4.50	21	94.50
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## Isover Modular Roll

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. Does not shrink, slump or consolidate in normal applications.

### Application

Suitable for providing thermal and acoustic insulation in a variety of applications where a modular 1200mm width is required.

### Thermal conductivity

$\lambda$  0.043W/mK.



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
60	1200	15.00	18.00	24	432.00
80	1200	11.25	13.50	24	324.00
100	1200	9.17	11.00	24	264.00
150	1200	6.03	7.24	24	173.76
200	1200	3.88	4.66	24	111.84

## Isover CWS

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. Water-repellent, suitable for partial and full-fill applications. Does not shrink, slump or consolidate in normal building applications.

### Application

Suitable for providing thermal insulation in a variety of different masonry external wall specifications.

### Standards and certification

BBA approved.

### Thermal conductivity

$\lambda$  0.036W/mK.



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/Pallets	m <sup>2</sup> /Pallets
50	455	1200	10.92	20	218.40
65	455	1200	9.83	20	196.60
75	455	1200	7.64	20	152.80
85	455	1200	6.55	20	131.00
100	455	1200	5.46	20	109.20

## Isover Spacesaver, Spacesaver Plus and General Purpose Roll

### Characteristics

Euroclass A1 fire rating when classified in accordance with *BS EN 13501-1*. The Spacesaver products are perforated along the roll to allow full, half or third width options.

### Application

Suitable for providing thermal and acoustic insulation in domestic-type pitched roofs.

### Standards

- ⚠ 0.043W/mK Isover Spacesaver and Isover General Purpose Roll.
- ⚠ 0.040W/mK Isover Spacesaver Plus.



Thickness mm	Width mm	Length mm	Pack area m <sup>2</sup>	Packs/ Pallets	m <sup>2</sup> / Pallets
<b>Spacesaver Roll</b>					
100	1160	9.17	10.64	24	255.36
150	1160	6.03	6.99	24	167.76
170	1160	5.39	6.25	24	150.00
200	1160	3.88	4.50	24	108.00
<b>Spacesaver Plus</b>					
100	1160	7.00	8.12	24	194.88
150	1160	4.67	5.42	24	130.01
200	1160	3.50	4.06	24	97.44
<b>General Purpose Roll</b>					
100	2x580	9.17	10.64	24	255.36
	3x386	9.17	10.62	24	254.88
150	2x580	6.03	6.99	24	167.76
	3x386	6.03	6.99	24	167.76
200	2x580	3.88	4.50	24	108.00
	3x386	3.88	4.50	24	107.76

