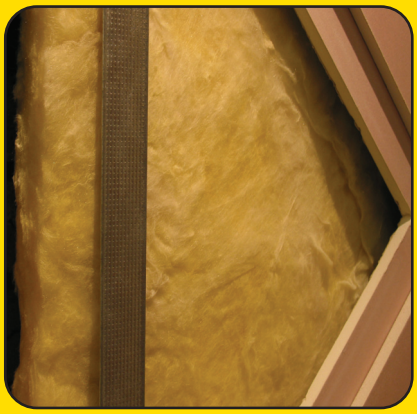
ISOVER Sponsor of building Sustainable Housebuilder of the Year Award

Acoustic Slabs

Glass mineral wool slabs designed to provide high levels of acoustic and thermal performance in wall lining systems, partitions and other building structures.



Description

ISOVER Acoustic Slabs are available in two Grades

- **MULTI-PURPOSE SLABS** – Providing high levels of acoustic insulation.
- **HIGH PERFORMANCE SLABS** – Combining acoustic qualities with a higher level of thermal performance.

The products are supplied in slab form in 1200mm x 600mm dimension and are used in a variety of building applications, including warranted and performance rated British Gypsum systems which are covered by the SpecSure® Lifetime Performance Warranty.

Standards

ISOVER Acoustic Slabs are manufactured under BSI Quality Management Standard BS EN ISO 9001:2000.

Benefits

- Provides high levels of acoustic performance.
- Excellent thermal performance.
- Fire safe – totally non-combustible.
- Long product life – will not age.
- Easy to handle cut and install.
- Fully compatible with all normal building materials and components.
- Will not slump or consolidate in normal application.
- Excellent environmental credentials.

Fully tested and approved for use with British Gypsum drywall systems covered by the SpecSure® Lifetime Performance Warranty

Fire Performance

Made from inherently non-combustible materials, **ISOVER Acoustic Slabs** are completely fire safe, achieving a Euroclass A1 fire rating when classified in accordance with BS EN 13501-1.

Ecological Information

ISOVER Acoustic Slabs are made from glass mineral wool, one of the most environmentally friendly materials available.

Sustainable

ISOVER Acoustic Slabs 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 Acoustic Slabs** 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 Acoustic Slab achieves full credit under EcoHomes performance for zero Ozone Depletion Potential (ODP) and a Global Warming Potential (GWP) of less than 5.

Product Performance and Characteristics

Acoustic Performance

Glass mineral wool is a highly efficient sound absorbing material, far more effective than closed cell foam plastics or heavier insulants. The table on the right shows sound absorbency data across a range of frequencies for **ISOVER Acoustic Slabs** in 50mm thickness.

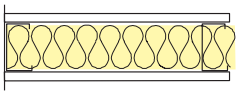
Single figure aw ratings and classifications are calculated in accordance with BS EN ISO 11654:1997.

Sound absorbency data for other thicknesses may be available on request.

ISOVER Acoustic Slabs

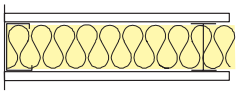
Frequency	50mm ISOVER Multi-Purpose Slabs	50mm ISOVER High Performance Slabs
125	0.17	0.27
250	0.45	0.54
500	0.80	0.94
1000	0.89	1.07
2000	0.97	0.96
αw	**0.80**	**0.85**
Class	**B**	**B**

Partitioning and Wall Lining System Solutions



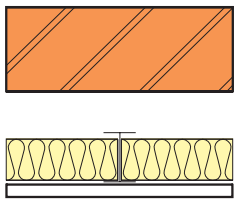
15mm Gyproc DuraLine each side of Gypframe 70 S 60 'C' studs at 600mm centre. 75mm ISOVER High Performance Slab in the cavity.

Board Type	Lining thickness (mm)	Partition thickness (mm)	Max. partition height (mm)	Sound insulation R_w dB	System reference
Duraline	1x15	102	4000	51	Q606048
Duraline	1x13	95	4000	51	Q606016



15mm Gyproc DuraLine each side of Gypframe 70 I 50 'I' studs at 600mm centre. 75mm ISOVER High Performance Slab in the cavity.

Board Type	Lining thickness (mm)	Partition thickness (mm)	Max. partition height (mm)	Sound insulation R_w dB	System reference
Duraline	1x15	102	4200	51	Q606053
Duraline	1x13	98	4200	51	Q606032



Single or double layer board to one side of Gypframe 'I' Stud framework and 50mm ISOVER Acoustic High Performance Slab, forming an independent lining to masonry construction.

Board Type	Lining thickness (mm)	Approx. weight (kg/m²)	Sound insulation R_w dB	System reference
WallBoard	1x12.5	11	59	B211601
WallBoard	1x15	13	59	B216002
WallBoard	2x12.5	20	61	B216031
WallBoard	2x15	24	61	B216033

Packaging and Physical Dimensions

Multi-Purpose Slabs

R-value	Thickness (mm)	Width (mm)	Length (mm)	Pack area (m²)	Batts per pack	Packs per pallet	m² per pallet
1.28	50	600	1200	14.40	20	16	230.40
1.83	75	600	1200	11.52	16	16	184.32
2.44	100	600	1200	7.20	10	16	115.20

High Performance Slabs

R-value	Thickness mm	Width (mm)	Length (mm)	Pack area (m²)	Batts per pack	Packs per pallet	m² per pallet
1.39	50	600	1200	11.52	16	20	230.40
2.08	75	600	1200	7.20	10	20	144.00

ISOVER Acoustic Slabs are manufactured in slab form. The slabs 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.

Technical Support: **0115 945 1143** or E-mail **isover.enquiries@saint-gobain.com**

General Enquiries: British Gypsum-Isover, East Leake, Loughborough, Leicestershire LE12 6JU Tel: 0115 945 1050 Fax: 0115 945 1915

SAINT-GOBAIN
ISOVER UK