

TS Slabs

Non-combustible glass mineral wool slabs which can be used to provide acoustic and thermal insulation in a wide variety of applications. The batts are ideally suited to noise control.

Applications:

Insulation for original equipment, marine, transport and industrial applications.



Description

ISOVER TS Slabs are rectangular slabs available in a wide range of thicknesses and thermal performances. They are easy to handle, cut, and install.

Standards



Technical Products are manufactured under Quality Management Standard BS EN ISO 9001:2000.

They comply with the performance requirements and application standards of:

BS5422: 2001, 'Method for specifying thermal insulating materials on pipes, ductwork and equipment (in the temperature range -40°C to +700°C)'.

BS5970: 2001, 'Code of practise for the thermal insulation of pipework and equipment (in the temperature range -100 to +870 C)'.

BS3958: Part 5:1986, 'Specification for bonded man-made mineral fibre slabs.'

Benefits

- Chemically inert - approximate pH value of 7, so will not accelerate corrosion of steel and copper or other metals.
- Mineral wool products offering high thermal and acoustic insulation.
- Completely fire safe - glass wool is non-combustible.
- Will not absorb moisture.
- Durable - not easily damaged in storage, during transport or on site when installing.
- Long product life - will not age.
- Environmentally safe - made from naturally occurring minerals.
- Will not slump or consolidate in normal application.

Fire Classification

ISOVER TS Slabs are made from inherently non-combustible materials and are completely fire safe, achieving Euroclass A1 fire rating when tested in accordance with BS EN 13501-1.

Ecological Information

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

Sustainable

ISOVER TS 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 TS 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 Performance of ISOVER glass mineral wool

• BRE Green Guide to Specification

Glass mineral wool has a best in class 'A' summary rating in the BRE Green Guide to Specification - Reference p.72 'Zero ozone depletion potential insulation'.

• EcoHomes - The Environmental Rating for Homes

In use, ISOVER products achieve full credit under EcoHomes performance for Zero Ozone Depletion and Global Warming Potential of less than 5 - Referenced p.42, section Pol 1 'Insulant ODP and GWP, Guidance Note 3.'

Service Temperature

ISOVER TS Slabs are suitable for use in applications operating with a maximum service temperature of 230°C.

Product Performance and Characteristics

Thermal Conductivity

Mean Temp°C	Thermal Conductivity W/m.K	
	TS24	TS32
10	0.034	0.032

Isospec

For assistance in specifying ISOVER TS Slabs, use the Isospec programme. Visit www.isover.co.uk to request your free copy.



Acoustic Performance

Glass mineral wool is a highly efficient sound absorbing material, providing noise control in a wide variety of applications more effectively than closed cell or heavier insulants. The following table shows sound absorbency data across a range of frequencies for **ISOVER TS Slabs** in 50mm thickness. Data for other sizes available on request.

Frequency (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	αW	Class
TS24 50mm	0.20	0.27	0.39	0.46	0.54	0.68	0.95	0.94	0.89	1.04	1.07	1.02	1.01	0.96	1.01	1.03	0.99	0.99	0.85	B

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

Packaging and Dimensions



ISOVER TS Slabs are manufactured in slab form and compression packed in individual packs using a strong polythene packaging film - the packs are then stacked on wooden pallets with a final weatherproof outer cover, giving the option of outside storage.

Technical Slabs - 600mm width 1200mm length

Product	TS24 Technical Slab
Thickness (mm)	40
Slabs/Pack	20
m ² /Pack	14.40
Packs/Pallet	16
m ² /Pallet	230.40

Note: Other thicknesses and dimensions may be available subject to enquiry.

TS Rolls

TS Rolls are also available for applications where a slab or batt is not suitable. Please contact our us for further information.

Technical Support: 0115 945 1050 or E-mail isover.enquiries@saint-gobain.com

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