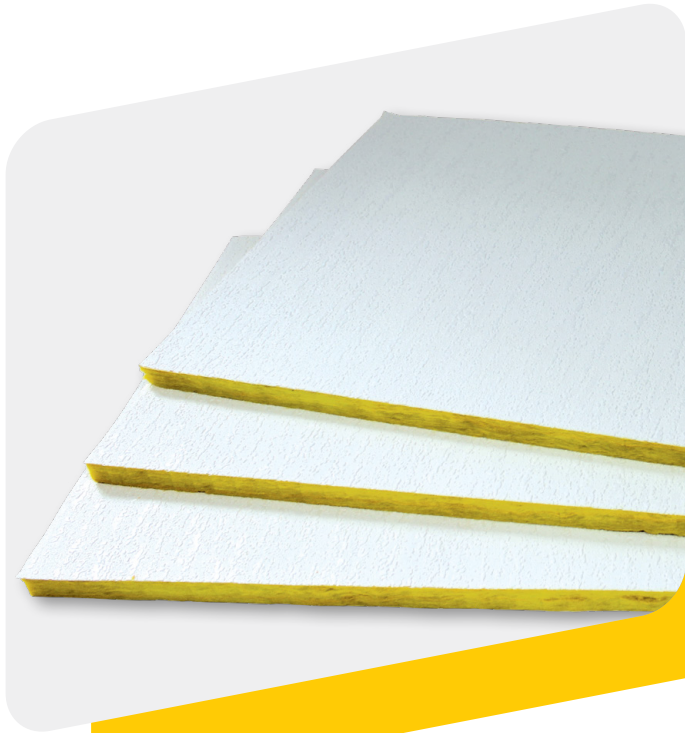




Soundlite®

Glasswool: a vinyl-faced
acoustic ceiling tile





Soundlite® is a non-combustible Glasswool tile with excellent acoustic and thermal performance.

TECHNICAL DATA SHEET



SOUND INSULATION & ABSORPTION

DESCRIPTION

Soundlite® ceiling tiles are manufactured from non-combustible inorganic Glasswool and bonded with an inert thermosetting resin binder. A decorative vinyl facing is available in Coral, which provide a durable finish.

QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2015.

ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2015.

Less material, less energy and less emissions

- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP).

FEATURES & BENEFITS

- Lightweight and easy to handle
- Exceptional acoustic properties
- Good thermal resistance values
- Safe application and use
- Will not sag when correctly installed
- Offers improved light reflection
- Suitable for use in areas of high relative humidity (up to 95% RH).

FIRE PROPERTIES

- Base board - tested to SANS 10177 Part 5
- SANS 10400 Part T 4.13.1 (A).



THERMAL COMFORT



UNIQUE LIGHTNESS



ENVIRONMENTALLY FRIENDLY RECYCLED GLASS

THERMAL PROPERTIES

Contributes to indoor comfort and contributes to lifelong savings by reducing heat loss/gain due to the inherent thermal insulation properties.

ACOUSTIC PROPERTIES

Offers exceptional acoustic properties and enhances indoor environmental quality by absorption of noise. Reduces sound transmission to and from a room or building.

APPLICATIONS

Domestic, commercial and industrial suspended ceilings.

DURABILITY

- Odourless, inert and fully compatible with all standard building materials and components
- Will not sustain vermin
- Will not breed or promote fungi, mould or bacteria
- Non-hygroscopic
- Dust settlement will not hamper the product's performance.

PHYSICAL PROPERTIES

R-value (m ² .K/W)	Thickness (mm)	Length (mm)	Width (mm)	Density (kg/m ³)	K-value (W/m.K)	Qty/box
0.78	25	1 200	600	50	0.032	15
1.25	40	1 200	600	50	0.032	10

Typical values

Also available in standard grid sizes of 600 x 600 mm

Thickness (mm)	Sound Reduction Index (SRI)	Noise Reduction Coefficient (NRC)	Sound Absorption Coefficient (Frequency in Hz)				
			125	250	500	1 000	2 000
25	17dB	0.65	0.12	0.65	0.62	0.74	0.67
40	19dB	0.75	0.47	0.59	0.93	0.86	0.61

Typical values without a plenum

TOOLS NEEDED FOR INSTALLATION

Soundlite® acoustic ceiling tiles are designed to fit standard grid systems. Hold down clips are provided to secure ceiling tiles in the grid system. A sharp knife/blade to be used for trimming/sizing of tiles.

INSTALLATION INSTRUCTIONS & PRECAUTIONS

1. Soundlite® acoustical ceiling tiles are laid in a suspended ceiling grid system and, where instructed by the architect, secured by means of hold down clips as supplied by Isover.
2. The contractor is to take care when installing the tiles to ensure that the facings are kept free from dust and grime, finger-marks or any other possible blemish or damage.
3. No damaged tiles are to be installed and extreme care is to be taken when further work is carried out on the ceiling (e.g. installation of the light fittings).

4. Any light fitting, fan or any other fixture is to be independently secured by whatever means required and should not rest on the ceiling tile so as not to put any pressure on the tile whatsoever.
5. The ceiling grid is to be laid out as per the manufacturer's instructions.

HANDLING & STORAGE

Store product under cover and in dry conditions. Handle with care, especially on the edges and corners, which can be damaged if subject to sharp or heavy impact. Do not apply excessive pressure, for example by standing or sitting on the product, as permanent damage may be caused.

ARCHITECTURAL SPECIFICATION

Install (25/40) mm thick "Soundlite®" acoustic ceiling tiles in (Coral) vinyl facing complete with T-sections, hangers, hold down clips etc. Installation strictly in accordance with manufacturer's detail and specification.



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