ISOVER E-SAVER

acoustic glasswool insulation

Isover E-Saver is manufactured from glass wool bonded with a thermosetting resin to deliver excellent thermal and acoustic properties. The product can be used in a multitude of applications due to its superior compression strength and stiffness.

It has excellent resistance to fire and can be used in high temperature applications up to 300 °C.

Isover E-Saver has been commonly used in building and marine applications, insulating ducting for HVAC, plus in a variety of thermal and acoustic applications in marine environments.

When Isover E-Saver is faced with decorative fabrics, it becomes a high quality panel absorber, often used in offices, public spaces and marine applications.

applications

- Boat engine compartments
- Absorber panels in building and public spaces
- Building and marine partition in-fill
- Wall and ceiling linings for plant equipment rooms
- Compressor and generator set enclosure lining
- Mining industry sound absorbers in tunnels and around break rooms

SPECIFICATIONS

Colour	Yellow, Beige FACING OPTIONS: • Plain (unfaced) • Aluminium • PP reinforced foil • Aluminimum glasscloth (AGC)
Available	STANDARD SIZES: • 10, 12, 20 m x 1.2 m Roll (24 kg/m^3) OR 1 m x 2 m batts (32 kg/m^3 and above) • 25, 40, 50, 75 & 100 mm thickness
	or custom depending on MOQ

features

- Excellent quality glass wool
- Great performance in high temperature and high humidity environments (150 - 300 °C)
- High compression resistance
- Excellent thermal resistance
- High sound absorption properties
- Hydrolysis resistant
- Non-corrosive
- Self-supporting
- Simple to cut, shaped, fabricated and installed
- Durable with long service life

PRODUCT SPECIFICATIONS

Product name	Thickness (mm)	Density (kg/m³)	Thermal conductivity (W/mK)		Rolls (m)	Sheets (m)	Operating temperature range °C
			20 °C	70 °C			
Isover E-Saver 24 kg/m³	25, 40, 50, 75, 100	24	0.034	0.045	1.2 x 10, 12 or 20	N/A	300 °C max
Isover E-Saver 32 kg/m³		32	0.032	0.039	n/a	1 x 2	

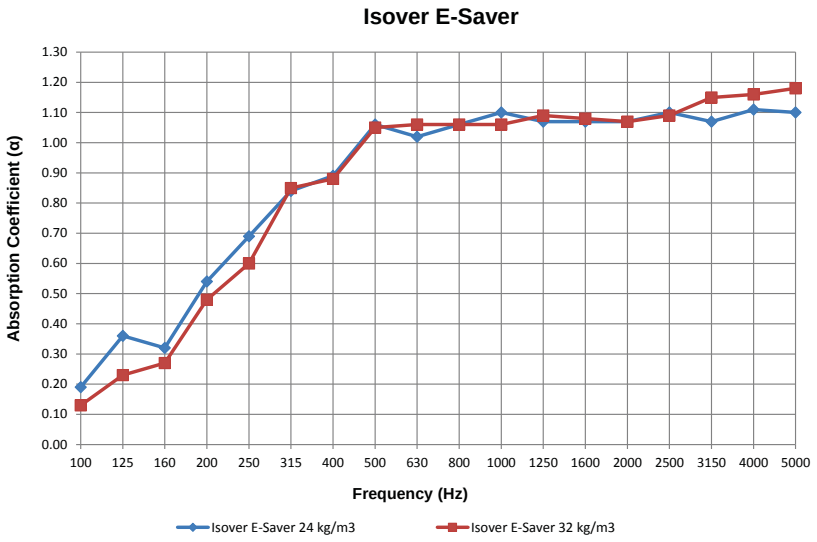
Tolerances: Length: -0/+50 mm, Width: -0/+5 mm, Thickness: ± 2 mm, Weight: ±5%

MATERIAL PROPERTIES

Test Method	Property	Report no.	Isover E-Saver result
IMO FTP Code Annex 1 Part 1 / KS F ISO 1182	Non-combustible, 24 - 64 kg/m³	09630/D0 EC	Complies
IEC 62321-5 Ed.1.0 b (AAS), IEC 62321 Ed.1.0 b (UV/Vis)	Heavy metal detection, Pb, Hg, Cd, Cr(VI)	TAN-001233	Not detected
ISO 16535	Moisture resistance	TAN-001107 TAN-001108	≤0.3 kg/m³
MED D	EC Type Certificate (Module D) for Marine Equipment Directive	SMS.MED2.D/3229/E.0	Complies

ACOUSTIC PERFORMANCE

Frequency (Hz)	Isover E-Saver 24 kg/m³ (50 mm)	Isover E-Saver 32 kg/m³ (50 mm)
100	0.19	0.13
125	0.36	0.23
160	0.32	0.27
200	0.54	0.48
250	0.69	0.60
315	0.84	0.85
400	0.89	0.88
500	1.06	1.05
630	1.02	1.06
800	1.06	1.06
1000	1.10	1.06
1250	1.07	1.09
1600	1.07	1.08
2000	1.07	1.07
2500	1.10	1.09
3150	1.07	1.15
4000	1.11	1.16
5000	1.10	1.18
NRC	1.00	0.95
SAA	0.96	0.95
α_w	1.00	0.95



Tested to K SF 2805:2014 at Fire Insurers Laboratories of Korea
Report Number: GK2016-0042E & GK2016-0037E

For further information and contact details, please visit our website pyroteknc.com