

# ISOVER E-SAVER

acoustic glass wool insulation suitable for high-temperature environments

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.

### VOC, ODP, HEALTH AND SAFETY

Isover E-Saver is non-toxic and safe to handle by methods prescribed in the Safety Data Sheet.



### SPECIFICATIONS

Colour	Yellow/beige Facing options: Aluminium, PP reinforced foil or aluminium glass cloth (AGC)
Available	Standard roll sizes: 10, 12, 20 m x 1.2 m (24 kg/m <sup>3</sup> ) Standard batt size: 1 m x 2 m (32 kg/m <sup>3</sup> and above) Available thicknesses: 25, 40, 50, 75 and 100 mm
	Custom sizes and/or thicknesses available depending on MOQ

### 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

### features

- Excellent quality glass wool
- Great performance in high temperature and high humidity environments (150 to 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 SPECIFICATION**

Product	Thickness	Density	Thermal conductivity (W/mK)		Standard roll size	Standard sheet size	Operating temperature
			20 °C	70 °C			
Isover E-Saver 24 kg/m <sup>3</sup>	25, 40, 50, 75, 100 mm	24 kg/m <sup>3</sup>	0.034	0.043	1.2 x 10, 12 or 20 m	N/A	300 °C max
Isover E-Saver 32 kg/m <sup>3</sup>		32 kg/m <sup>3</sup>	0.032	0.040	N/A	1 x 2 m	

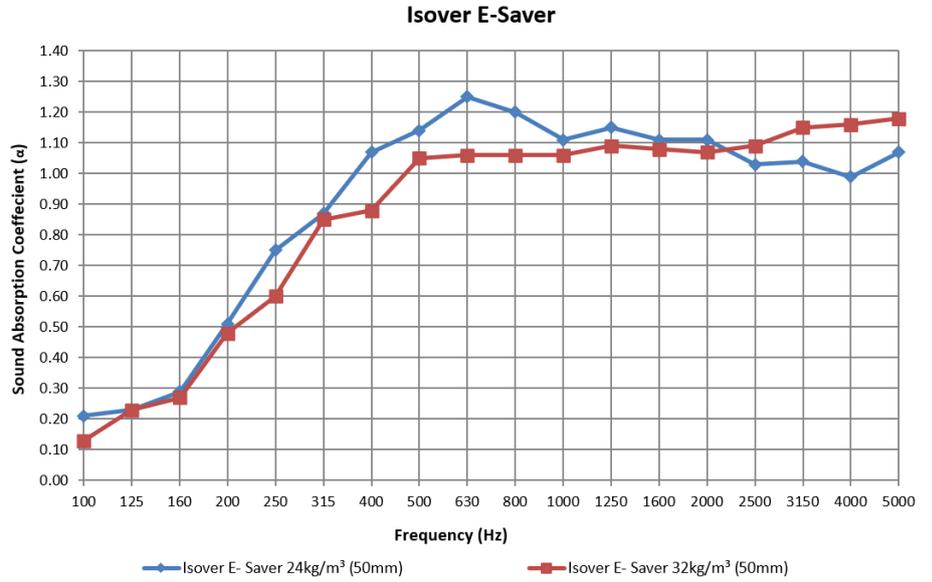
Tolerances: Length: -0/+50 mm, Width: -0/+5 mm, Thickness: ± 2 mm, Weight: ±5%

**MATERIAL PROPERTIES**

Test method	Property	Report no.	Results
IMO FTP Code Annex 1 Part 1 (ISO 1182)   MED B	Non-combustible	09630/E0 MED	Complies as Non-Combustible Material for densities 24 - 64 kg/m <sup>3</sup>
MED D	EC Type Certificate (Module D) for Marine Equipment Directive	SMS.MED2..D/3229/G.0	
ABS Product Design Approval (PDA)	ABS Design assessment	18-BK1708671-PDA	Suitable for use as Non-Combustible Material on ABS classed vessel and offshore installations
ABS Type approval	Type approval certification	18-BK1708671-PDA	Complies
IEC 62321-4 Ed.1.0(CV-AAS), IEC 62321-5 Ed.1.0(AAS), IEC 62321-6 Ed.1.0(GC/MS), IEC 62321-7 Ed.1.0(UV/Vis)	Heavy metal detection, Pb, Hg, Cd, Cr(VI)	TAK-2019-007425	Not detected
ISO 16535	Moisture resistance	TAN-001107, TAN-001108	≤0.3 kg/m <sup>3</sup>

## ACOUSTIC PERFORMANCE

Frequency (Hz)	Isover E-Saver 24 kg/m <sup>3</sup> (50 mm)	Isover E-Saver 32 kg/m <sup>3</sup> (50 mm)
100	0.21	0.13
125	0.23	0.23
160	0.29	0.27
200	0.51	0.48
250	0.75	0.60
315	0.87	0.85
400	1.07	0.88
500	1.14	1.05
630	1.25	1.06
800	1.2	1.06
1000	1.11	1.06
1250	1.15	1.09
1600	1.11	1.08
2000	1.11	1.07
2500	1.03	1.09
3150	1.04	1.15
4000	0.99	1.16
5000	1.07	1.18
NRC	1.00	0.95
SAA	1.00	0.95
αw	1.00	0.95



Tested to K SF 2805:2014 at Fire Insurers Laboratories of Korea  
Report Numbers: GK2024-0032E & GK2016-0037E

For further information and contact details, please visit our website [pyroteknc.com](http://pyroteknc.com)

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See [pyroteknc.com/disclaimer](http://pyroteknc.com/disclaimer).

