

TECHNICAL DATA SHEET

EPS SILENT T650

Thermal insulation product for buildings

Product description

Thermal insulation board made of expanded polystyrene (EPS). It does not contain freons (CFC free / FCKW free) and does not contain HBCD.

Product features

The product meets the requirements of the standard SIST EN 13163:2012+ A1:2015, ÖNORM B 6000:2018.



- Format: from 1000 x 500 x dN (mm) to 4000 mm x 1600 mm x 1000 mm

- Description: white board, straight edges

- Temperature resistance: long-term 70° C, short-term 80° C

CE-marking:

EPS-EN 13163-L(3)-W(3)-T(1)-S(2)-P(5)-BS50-CP3-DS(N)5-SD(1)

Key features	EN standard	Unit	Declared (EN 13163:2012+ A1:2015)
Length	EN 822	mm	± 3
Width	EN 822	mm	± 3
Thickness	EN 823	mm	from - 5 % or 1 mm ^a to + 15 % or 3 mm ^a
Squariness	EN 824	mm	± 2
Flatness	EN 825	mm	± 5
Bending strength	EN 12089	kPa	≥ 50
Compressibility	EN 12431	kpa	≤ 3
Dimensional stability	EN 1603	%	± 0,5
Reaction to fire	EN 13501-1	/	E
Thermal conductivity	EN 12667	W/m.K	0,043
Dynamic stiffness	EN 29052-1	MN/m ³	mm SD 15 40 20 30 25 25 30 25 40 20 50 15

^a Which gives the greatest numerical tolerance

Thickness (mm)	15	20	25	30	40	50
R (m ² K/W)	0,30	0,40	0,55	0,65	0,90	1,15

Field of use

The product is used for underfloor heating, providing thermal and sound insulation in a floating floor system where loads do not exceed 650 kg/m².

Application

Thermal insulation boards are installed by gluing or laid freely, depending on the method of use. The joints of the boards are made with pre-installed double-sided adhesive tape. The installation of self-leveling screed is also possible. During installation, it is necessary to follow the installation instructions and the applicable professional and legal regulations.

Storage

Product must be stored on a dry surface and protected from direct sunlight, moisture, frost and snow, mechanical damage, dirt and flame. Contact with incompatible materials/chemicals should be avoided.

Packaging

Product is packed in PE foil approx. 0.25 m³, palletized approx. 5 m³.

Waste management

The waste product must be handled in accordance with the Waste Regulation. The residue or waste of the product is classified as non-hazardous waste, namely as construction waste-plastic (17 02 03). Waste foil belongs to waste plastic packaging (15 01 02) and waste pallets to waste wooden packaging (15 01 03).

Certificates

PTD (ITT), FIW München

The product is in accordance with SIST EN 13163:2012+A1:2015 and Regulation (EU) No. 305/2011. The quality and environmental management system is in accordance with SIST EN ISO 9001 and SIST EN ISO 14001.

Declaration of performance No. DoP-01-TI- 015 / 26 - 01.



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