

TECHNICAL DATA SHEET

FRAGMAT EPS 100 (W 20) INCLINED PANEL

Thermal insulation product for buildings

Product description

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

Product features

The product meets the requirements of SIST EN 13163:2013+ A1:2015, ÖNORM B 6000: 2014

- Format: 1000 mm x 1000 mm x d_N (mm)
- Description: white plate*, bottom surface flat, top surface with a slope
- Temperature stability: short-term 80°C, long-term 70°C

CE-marking:

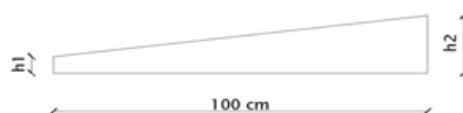
EPS-EN 13163-L(3)-W(3)-T(2)-S(5)-P(5)-BS150-CS(10)100-TR150-DS(N)5-DS(70,-)3-DLT(1)5

Key features	EN Method	Unit	Declared (EN 13163:2012+ A1:2015)
Length	EN 822	mm	± 3
Width	EN 822	mm	± 3
Thickness	EN 823	mm	± 2
Squareness	EN 824	mm	± 5
Flatness	EN 825	mm	± 5
Bending strength	EN 12089	kPa	≥ 150
Tensile strength	EN 1607	kPa	≥ 150
Compressive strength	EN 826	kpa	≥ 100
Dimensional stability	EN 1603	%	± 0,5
Dimensional stability at 70°C	EN 1604	%	≤ 3
Def. under pressure and temp. load	EN 1605	%	≤ 5
Water vapour transmission	EN 12086	1	-
Water absorption by total immersion	EN ISO 16535	%	-
Reaction to fire	EN 13501-1	/	E
Thermal conductivity	EN 12667	W/m.K	0,036

* Due to manufacturing technology, up to 2% of the surface may be colored differently

Plate type	Incline [%]	Height [cm]	Size[cm]
A1,5	1,5	2,0-3,5	100 x 100
B1,5	1,5	3,5-5,0	100 x 100
C1,5	1,5	5,0-6,5	100 x 100
D1,5	1,5	6,5-8,0	100 x 100
A2	2,0	2,0-4,0	100 x 100
B2	2,0	4,0-6,0	100 x 100
C2	2,0	6,0-8,0	100 x 100
D2	2,0	8,0-10,0	100 x 100
E2	2,0	10,0-12,0	100 x 100

Note: all inclined panels are made to order



Field of use	The product is used to create a slope in various flat roof systems.
Application	Thermal insulation boards are installed according to the method of use by gluing, mechanical fastening, or they are laid freely. During installation, it is necessary to follow the installation instructions and the applicable professional and legal regulations.
Storage	The product needs to 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 must be prevented.
Packaging	The product is packed in PE foil approx. 0.25 m ³ , palletized approx. 5 m ³ .
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, specifically as construction waste - plastic (17 02 03). Waste film falls under waste plastic packaging (15 01 02), and waste pallets fall under waste wooden packaging (15 01 03).

Certificates



PTD (ITT), FIW München

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

Declaration of performance No.: DoP-00-TI- 003 / 26 - 01

