

TECHNICAL SHEET

SKYTHERM EPS 70 F



Thermal insulation product for buildings

Product description: **EPS 70 F** – thermal insulation boards of expanded polystyrene. Not contain CFC (CFC free/FCKW frei) and does not contain HBCD.

Characteristics of the product: The product meets the demands of the standards EN 13163:2012 +A1:2015

- Format: Standard format 1000 x 500mm
- Thickness: 10 do 200mm (other thickness upon request)
- Design: Straight corners
- Temperature resistance: 80°C continuous ä

CE designation code:

EPS-EN13163-L(2)-W(2)-T(1)-S(2)-P(5)-BS100-DS(N)2-DS(70,-)1-TR100

Characteristics	EN	Unit	Declaration EN 13163:2012 + A1:2015
Length	822	mm	± 2
Width	822	mm	± 2
Thickness	823	mm	± 1
Squarness	824	mm	± 2
Flatness	825	mm/m	± 5
Tensile strength	1607	kPa	≥ 100
Bending strength	12089	kPa	≥ 100
Dimensional stability	1603	%	± 0,2
Dimensional stability 70°C	1604	%	≤ 1
Reaction to fire	13501-1	/	E
Thermal resistance λ_D	12667	W/m.K	0.039

Thickness (mm)	10	20	30	40	50	60	80	100	120	140	160	180	200
$R_D(m^2K/W)$	0,25	0,50	0,75	1,00	1,25	1,50	2,05	2,55	3,05	3,55	4,10	4,50	5,10
$\lambda/d (W/m^2.K)$	3,90	1,95	1,30	0,98	0,78	0,65	0,49	0,39	0,33	0,28	0,24	0,22	0,20

Use: Thermal insulation in facade thermal protection systems - external insulation walls, internal insulation of walls, ceilings, sloping roofs.

Installation: SKYTHERM EPS 70 F thermal insulation boards are installed by gluing or, depending on the method of use by mechanical fastening (anchoring). **Line-point application:** Along all edges of the board with a trowel apply a continuous strip of glue with a width of approx. 5 cm, glue is applied point by point in the middle of the board three places with a diameter of approx. 15 cm. The application of the adhesive and the required contact surface with the substrate should be at least 40%. **Application linearly on the edges and in the middle:** The glue is applied linearly along the edges and in the middle in the shape of the letter W. The required contact area of the adhesive with the base should be at least 40%.

Packaging:	Plates are packaged in packages in PE foil in an amount of approx. 0.25m ³ per package.
Handling, storage and transport:	During handling, transport and storage it is forbidden to smoke or work with open fire. Store in a covered area, protected from direct sunlight - the effects of UV radiation, heat, flame, prevent contact with incompatible materials / chemicals and with sharp or hard materials. When handling, transport and storage avoid stacking on the edge of the product, to prevent damage to the edges.
Disposal considerations of waste:	Product packaging after use should be transferred to a packaging waste processing company. The product is 100% recyclable.

Certificates:

ITT on ZAG Ljubljana



Declaration of performance no. DoP-04-TI-001/23-01 according to Regulation (EU) No.305/2011

The system of quality is conform with EN ISO 9001

