

TECHNICAL SHEET

SKYTHERM EPS 100

Thermal insulation product for buildings



Product description: **EPS 100** – 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

CE designation code:

EPS-EN13163-L(3)-W(3)-T(2)-S(5)-P(5)-BS150-CS(10)100-DS(N)5-DS(70,-)3

Characteristics	EN	Unit	Declaration EN 13163:2012 + A1:2015
Length	822	mm	± 3
Width	822	mm	± 3
Thickness	823	mm	± 2
Squarness	824	mm	± 5
Flatness	825	mm/m	± 5
Compressive stress at 10% deformation	826	kPa	≥ 100
Bending strength	12089	kPa	≥ 150
Dimensional stability	1603	%	± 0,5
Dimensional stability 70°C	1604	%	≤ 3
Reaction to fire	13501-1	/	E
Thermal resistance λ_D	12667	W/m.K	0.036

Thickness (mm)	10	20	30	40	50	60	80	100	120	140	160	180	200
$R_D(m^2K/W)$	0,25	0,55	0,80	1,10	1,35	1,65	2,20	2,75	3,30	3,85	4,40	5,00	5,55
$\lambda/d (W/m^2 \cdot K)$	3,60	1,80	1,20	0,90	0,72	0,60	0,45	0,36	0,30	0,26	0,23	0,20	0,18

Use: SKYTHERM EPS 100 plates are used as thermal insulation in floor and flat roof systems with normal loads.

Installation: According to the design solution they are installed by free laying, gluing, or mechanical fastening. When installing, it is necessary to comply with installation instructions and valid professional and legal regulations.

Packaging: Plates are packaged in packages in PE foil in an amount of approx. 0.25m³ 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-002/23-01 according to Regulation (EU) no.305/2011

The system of quality is conform with EN ISO 9001

