

PLYWOOD sandwich panel

Composition: PLYWOOD - XPS - PLYWOOD

Plywood sandwich panels are a robust and versatile solution that combines the strength of wood with the insulating properties of XPS. Ideal for the construction and carpentry industry, it is a solid choice wherever stability and durability are paramount.



Sizesy:

2500x1700 mm

Top layer – PLYWOOD

- 4, 9, 12, 15 mm thick plywood, suitable for milling,
- types of wood: birch, oak, gabun, mahogany, pine (Carolina, Fineliner), spruce and others,
- glueing AW100 (3rd class) – waterproof.

Inner layer – XPS:

closed-cell structure extruded polystyrene (XPS) with grooves, without HBCD,
density: $\geq 33 \text{ [kg/m}^3\text{]}$ (EN 1602),
thermal conductivity (λ): $0,034 \text{ [W/mK]}$ (EN 13164),
water absorption: $< 1\%$ (EN 12087),
fire rating: E (EN 13501-1).

Technical specification:

<u>Thickness</u> ¹		24	26	28	29	30	32	32
<u>SK/XPS/SK</u>	[mm]	4/16/4	4/18/4	9/10/9	4/16/9	6/18/6	4/24/4	9/14/9
<u>U value</u> ²	[W/m ² K]	1,45	1,33	1,73	1,39	1,29	1,08	1,44
<u>Weight</u> ²	[kg/m ²]	5,2	5,3	10,5	8,0	7,5	5,5	10,7
<u>Thickness</u> ¹		40	40	46	48	52	90	
<u>SK/XPS/SK</u>	[mm]	4/32/4	12/16/12	15/16/15	9/30/9	9/34/9	9/72/9	
<u>U value</u> ²	[W/m ² K]	0,86	1,26	1,21	0,86	0,78	0,44	
<u>Weight</u> ²	[kg/m ²]	5,8	14	17,3	11,2	11,3	12,9	

¹ Tolerance: +1,0/-0,5 mm;

² Forecast value, determined by calculation method, based on average physico-mechanical properties of sandwich panel elements.

Other sizes and thicknesses available on request. Other data regarding the product are available in the LB THERM Panel Using Sheet and in the General Terms and Conditions of Sales. Because of variety usage of our products, the company is not liable for physico-chemical parameters and properties in conditions different than standard, as well as interference in their original structure (painting, lacquering, coating by other materials etc.). This TDS is based on information that is believed to be reliable, but may be subject to change as new information become available. Modification and copying the contents of this document unless specifically authorized by LB THERM Sp. z o.o. are strictly prohibited.