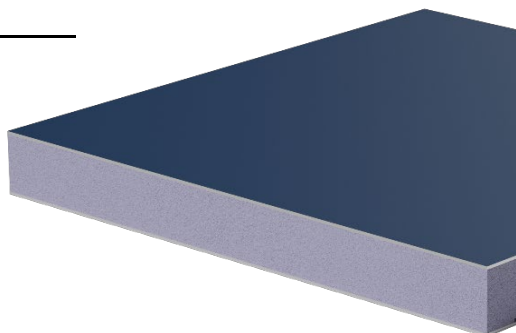


ALUMINIUM sandwich panel

Composition: ALUMINIUM/XPS/ALUMINIUM

The ALUMINIUM sandwich panel is a durable and resistant solution for both industrial and joinery applications. With an aluminium outer layer and an XPS or PUR core, the panel offers excellent technical performance, weather resistance and modern aesthetics.



Sizes:

3000x1500; 3000x1000; 2150x900; 2000x1000 mm / possible cut to size

Top layer – ALUMINIUM

1 mm* thick aluminum sheet, painted according RAL palette, high corrosion resistance alloy.

* Other thicknesses available on request.

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:

Thickness ¹	[mm]	10	24	28	36	44	48
U value ²	[W/m ² K]	2,47	1,22	1,07	0,85	0,71	0,66
Sound insulation R _w ^{2,3}	[dB]	24					
Weight ²	[kg/m ²]	6	6,4	6,6	6,8	7,4	7,5

¹ Tolerance: $\pm 1,0/-0,5 \text{ mm}$;

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

³ Tolerance: $\pm 3 \text{ dB}$.



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.