



LB THERM PVC (foamed sheets) sandwich panels

Composition: foamed PVC/XPS/foamed PVC

Top layer – foamed PVC

Inner layer – XPS



Top layer - foamed PVC:

- white, low density PVC sheet, covered by protective film,
- thickness: 1,0 mm,
- density: 0,6 – 0,7 [g/cm³] (ISO 1183),
- fire rating: B1 (DIN 4102-1)*,
- water absorption: < 1% (DIN 53495),
- low weight,
- usable for printing.

* Test was made on PVC thickness 3 mm.

Inner layer - XPS:

- closed-cell structure extruded polystyrene (XPS) with grooves, without HBCD,
- density: min. 33 [kg/m³] (EN 1602),
- thermal conductivity (λ): 0,034 [W/mK] (EN 13164),
- fire rating: E (EN 13501-1),
- water absorption: < 1% (EN 12087).

Technical specification:

Thickness ¹	[mm]	10	15	17	18	19	20
U value ²	[W/m ² K]	2,35	1,75	1,58	1,51	1,45	1,39
Weight ²	[kg/m ²]	1,8	1,9	2,0	2,0	2,4	2,1

¹ Tolerance: $\pm 0,5$ mm;

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

Sizes: 3050x2050; 2440x1220 mm

Other thicknesses available on request. 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.

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