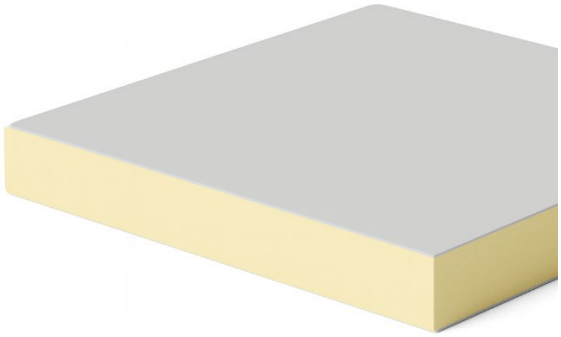
LB THERM
VALUE INSIDE

PVC sandwich panel

Composition: PVC - PUR - PVC

PVC sandwich panels are lightweight yet robust solutions for joinery. With a rigid PVC panel serving as an outer layer and an insulating core, the product meets the highest requirements in terms of durability and functionality.



Sizes:
2150x900; 2000x1000 mm / possible cut to size

Top layer – PVC:
PVC sheet, white (RAL 9016), snow-white (Salamander, RAL 9003) or cream (RAL 9001) colour,
thickness: **1,0; 1,2; 1,3; 1,5; 2,0 mm,**
density: 1450 **[kg/m^3] (ISO 1183)**,
water absorption: **0,2% (DIN 53495)**,
fire rating: **Bs3d0 (EN 13501-1)***.

* Test was made on PVC thickness 1-3 mm.

Inner layer – XPS:
crigid PUR foam
density: **50 [kg/m3] (EN 1602)**
thermal conductivity (λ): **0,022 [W/mK] (EN 12667),**
water absorption: **< 3% (EN 1609),**
fire rating: **E (EN 13501-1).**

(!) Painting of PVC top layer is not recommended.

Technical specification:

Thickness [1]	*[mm]*	**23**	**24**	**35**	**36**	**47**
PVC Thickness	*[mm]*	**PVC/ 1,5 mm**	**PVC/ 2,0 mm**	**PVC/ 1,5 mm**	**PVC/ 2,0 mm**	**PVC/ 1,5 mm**
U value [2]	*[W/m^{2}K]*	0,91	0,91	0,61	0,61	0,46
Sound insulation R_w[2,3]	*[dB]*	26	28	26	28	26
Weight [2]	*[kg/m^2]*	5,7	7,1	6,3	7,7	6,9

[1] *Tolerance: +1,0/-0,5 mm;*

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

[3] *Tolerance: ± 3 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.

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