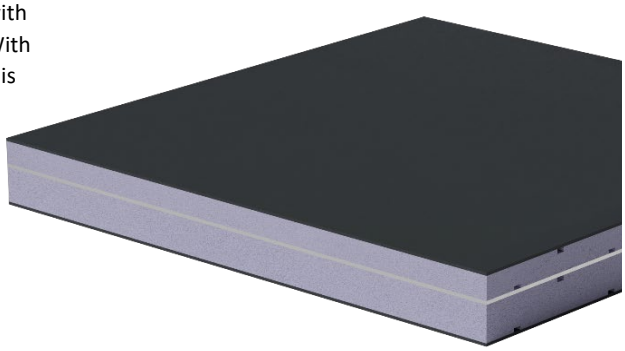
Reinforced Sandwich Panel with ALUMINIUM Insert

Composition: ALUMINIUM - XPS - ALUMINIUM - XPS - ALUMINIUM

Reinforced sandwich panels with ALUMINIUM spacers are a solution with increased rigidity, improved strength and better burglary resistance. With an additional aluminium or steel spacer in the inner layer, the product is ideal for customers looking for safe and robust materials for joinery, construction and industry applications.



Sizes:

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

Top / inner layer – ALUMINIUM:

- 1 mm* thick aluminum sheet, top layer 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: ≥ 33 [kg/m^3] (EN 1602),
thermal conductivity (λ): 0,034 [W/mK] (EN 13164),
water absorption: < 1% (EN 12087),
fire rating: E (EN 13501-1).

Technical specification:

Thickness [1]	*[mm]*	**24**	**36**
U value [2]	*[W/m^{2}K]*	1,32	0,88
Sound insulation R_w [2,3]	*[dB]*	26	
Weight [2]	*[kg/m^2]*	9,4	9,8

[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. 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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