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LUXBOARD W



DESCRIPTION

Luxboard W is a hybrid sandwich panel based on aluminum honeycomb and wooden skins. Luxboard W combines the high bending stiffness and the low weight of an aluminum honeycomb sandwich panel with the good processing properties and the property profile of a wide variety of wood types. Luxboard W can be supplied with a wide variety of layers of wood as top layer in the desired thicknesses. Examples of this are types of wood such as plywood and high-density wood fiber boards such as HDF (high density fiberboard) or MDF (medium density fiberboard).

BENEFITS

- The combination of very good bending stiffness and weight savings reduces the wood panel warping problem and reduces the risk and costs for reworking and rejects.
- Very good machinability due to wooden cover layers increases the processing speed.
- Easy performing edge closures and the ability to use standard screw connections for assembly processes reduces labor time and therefore costs in production processes.

TECHNICAL DATA

Material type: Aluminium honeycomb / Wood – Hybrid Sandwich Panel

Standard panel size: up to 2440 x 1210 mm

Panel thickness: Panel thickness results from the honeycomb thickness and the thickness of the used wooden top layers (see following table)

Cell size aluminium honeycomb	Thickness honeycomb	Wood cover layer	Total panel thickness ca.*
6,4 mm/9,6 mm	4 mm	3 mm	10 mm
6,4 mm/9,6 mm	4 mm	4 mm	12 mm
6,4 mm/9,6 mm	4 mm	6 mm	16 mm
6,4 mm/9,6 mm	6 mm	3 mm	12 mm
6,4 mm/9,6 mm	6 mm	4 mm	14 mm
6,4 mm/9,6 mm	6 mm	6 mm	18 mm
6,4 mm/9,6 mm	8 mm	3 mm	14 mm
6,4 mm/9,6 mm	8 mm	4 mm	16 mm
6,4 mm/9,6 mm	8 mm	6 mm	20 mm





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GLOSSARY

Luxboard W-P:	Alu-honeycomb / poplar-plywood- Hybrid Sandwich Panel
Luxboard W-O:	Alu-honeycomb / okoume-plywood- Hybrid Sandwich Panel
Luxboard W-(X)-FR:	Alu-honeycomb / plywood- Hybrid Sandwich Panel -> flame-retardant
Luxboard W-HDF:	Alu-honeycomb / HDF - Hybrid Sandwich Panel
Luxboard W-MDF:	Alu-honeycomb / MDF- Hybrid Sandwich Panel

Note: Other plywood or HDF/MDF types (e.g. flame-retardant and/or moisture-resistant) are available upon request.

NOTES

- When stored, panels should be stacked flat on a wooden or metal plate and covered on top as well with a flat wooden or metal plate.
- It is recommended to store the panels flat, as described, for at least 24 hours before further processing under the same humidity climate as used in the production area.
- Due to the cutting tolerances for honeycomb panels and wooden panels and due to moisture absorption, there can be deviations in the final thickness of the panel. Thickness tolerances can be adjusted on request and by arrangement to lower tolerance values.
- As plywood types, poplar, birch and okoume plywood as well as flame-retardant plywood types can be processed as top layers, in different thicknesses. Moisture-resistant and/or flame-retardant HDF or MDF wood fiber boards are also possible as cover layers in the desired thicknesses.
- On request, panels can be tailored to the required thickness and panel size.

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