



luxpanel
International

LUXBOARD

DATA SHEET:

Luxboard A faced with decorative laminate cover sheets

DESCRIPTION

Luxboard D is a lightweight aluminium honeycomb sandwich panel faced with decorative laminate cover sheets on one or both sides.

In order to keep it lightweight, CPL (Continuous Pressure Laminate) is used that has a thickness of 0,4 mm and is available in a wide range of colours and decors.

Compositions :

The different components (cover/carrier sheets and core) are bonded together with a thermoplastic adhesive which guarantees stability of the composite material up to 120°C.

Cover Sheets :



Safety :

It is recommended that protective equipment such as safety glasses and breathing protection is worn during any cutting operations to avoid inhalation and eye contact with dust. Gloves should be worn to avoid cuts. Hands should be washed before eating, drinking or smoking and after finishing work.

MATERIALS

Core :

Aluminium honeycomb core made of 3003 alloy, nominal cell diameter is 3/8" (9,6 mm) or 1/4" (6,4 mm). The density of the core (9,6mm) is 55 kg/m³.

Carrier sheets :

Aluminium alloy made of 5754 H48 (standard material) guarantees high surface stability and impact strength. Standard skin thicknesses are 0,5 mm and 1,0 mm. Bespoke thicknesses are available on request.

The carrier sheets can be layered symmetrically on top and bottom (1 mm/1 mm or 0,5 mm/0,5 mm) or asymmetrically (0,5 mm / 1,0 mm).

Tolerances :

length:	+ 1,0 / - 0 mm
width:	+ 1,0 / - 0 mm
thickness:	+ 0,1 / - 0 mm
surface flatness:	+ 0,1 / - 0,1 mm
dishing:	< 1 mm per 1m

IMPORTANT: All information is given without acceptance of liability and in best knowledge and good faith. Luxpanel International GmbH has the right to change specifications without prior notice. All business is carried out according to the standard terms and conditions of sale of Luxpanel International GmbH.

CERTIFICATIONS / CLASSIFICATIONS



0098

In conformity with the EU-MED directive , European Union Marine Equipment Directory, to allow use in vessels constructed, built, registered or operated in Europe

U.S. Coast Guard

Module B no. 164.112 /EC 0098

IMO, SOLAS

non combustible according to IMO FTP Code, Annex 2
C-class division according to SOLAS II-2, Reg. 3.10

DIN 4102-B1

Construction material class B1 DIN 4102-1 for thicknesses between 10 mm and 30 mm have been certified according to the fire shaft test after a two year period of storage
- certified as building cladding construction material class B1
- certified as double floor construction material class B1

DIN 5510-2

Testing for usage in railway constructions
- flammability classification S 4
- toxicity classification SR 2
- drop-forming classification ST 2

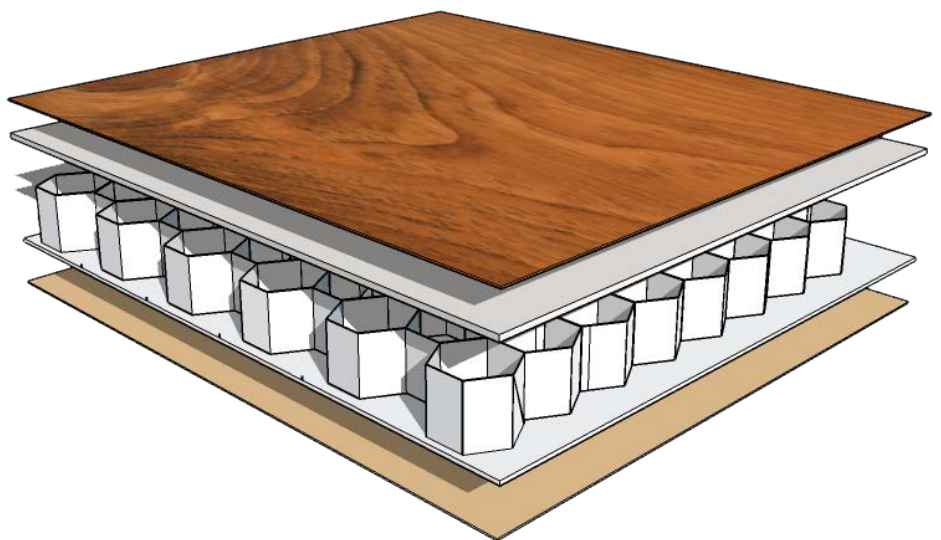
LUXBOARD A-QA :

Type		Luxbaord D
Panel Thickness	mm	from 6 to 40
Cover sheets	Front	decorative or
	Back	backing CPL
CPL Thickness	mm	0,4
CPL Weigth	kg/m2	± 0,5
Material Grade (carrier sheets)	Skin	5000 grade series
	Core	3000 grade series
Carrier Hardness		H48
Panel Width	mm	1250
Panel Length	mm	up to 15 000

- ◆ Lightweight structural honeycomb sandwich panel
- ◆ Tailored-fit production
- ◆ Wide range of colors and decors
- ◆ Same decorative laminate on both faces or with a backing laminate on the reverse face.

Applications :

- Linings
- Furniture
- Doors
- Ceilings
- ...



A honeycomb sandwich panel never looked that good !