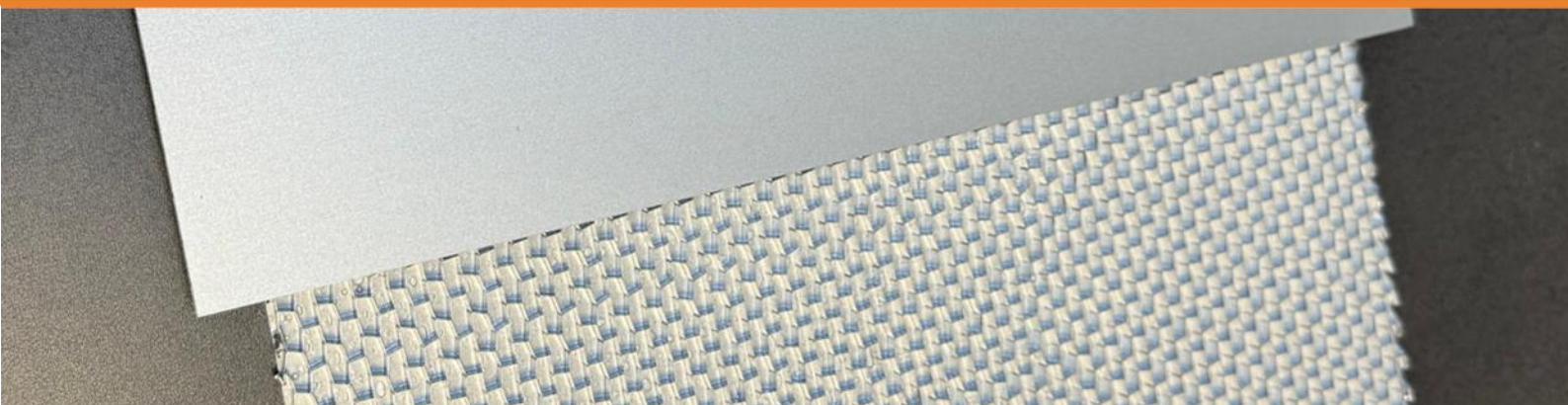




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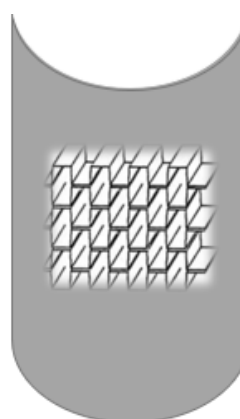
LUXBOARD A/2



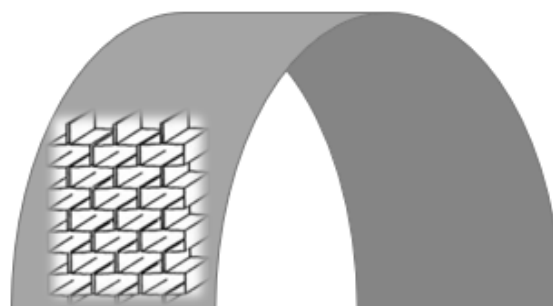
DESCRIPTION

Luxboard A/2 is made up of its aluminum rectangular honeycomb cell with one side bonded top layer; the second side is supplied as loose sheet metal. Thus, depending on the arrangement of the cell (standing/lying), a uniaxially flexible product is created for curved applications.

„standing barrel“
bend in panel width



„lying barrel“
bend in panel length





TECHNICAL DATA Example

Typ	Luxboard A/2*	A/2 4,7	A2/ 9,8
Thickness (variable)	Total thickness [mm] – including loose cover sheet layer	4,7	9,8
	Top cover sheet [mm] – bonded with honeycomb core	0,5	0,5
	Bottom cover sheet [mm] – supplied separately	0,5	0,5
	Honeycomb core [mm]	3,7	8,8
Weight per unit area	Weight (kg/m ²) – including loose cover sheet layer	3,2	3,6
Cover Sheets	material	EN-AW 5754 H48	
	Elastic modulus [N/mm ²]	70.000	
	Tensile strength [N/mm ²]	300	
	Yield strength Rpo.2 [N/mm ²]	260	
Honeycomb Core	material	EN-AW 3003	
	Cell width [Zoll – mm]	1/4" – 6,4	
Max. Dimensions	max. width [mm]	1500	
	max. length [mm]	3000	
Certification	SOLAS IMO FTP-Code	IMO FTP Part 2 and 5	

*Technical and mechanical values see as well data sheet of **Luxboard A**

NOTE

The values inside the spreadsheet are only exemplary. Luxboard A/2 panels in the needed thicknesses and sizes can be produced upon request. Please contact us to design your desired panel type.

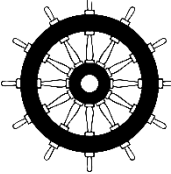


The mentioned values are to be understood as guidelines under laboratory conditions or from theoretical considerations and must be validated in individual cases.





LUXBOARD A/2

CERTIFICATES

Ship Construction		<p>Modul D Production Quality Assurance</p> <ul style="list-style-type: none"> Module D MEDD000013Y-rev.6 <p>Module B – Type Approvals Item no. MED/3.13 non-combustible Luxboard A honeycomb mit USCG no. 164.109</p> <ul style="list-style-type: none"> Module B MEDB00003ZH-rev.2 <p>Item no. MED/3.64 C-class divisions, non-combustible materials Luxboard A</p> <ul style="list-style-type: none"> Module B MEDB00002Do-rev.1 Luxboard D Module B MEDB000077T Luxboard A-QA Module B MEDB000076N Blueboard Module B MEDB00002JV-rev.2 <p>Item no. MED/3.18a surface materials and floor coverings with low flame spread characteristics Luxboard A mit USCG no. 164.112</p> <ul style="list-style-type: none"> Module B MEDB00006H8 Luxboard D mit USCG no. 164.112 Module B MEDB00004HM-rev.1 Blueboard mit USCG no. 164.112 Module B MEDB00006Hg
		<p>Aluminum honeycomb core:</p> <ul style="list-style-type: none"> Item No: MED/3.13 non-flammable according to IMO FTP Code, Annex 1, part 1 USCG Approval No.: 164.109/EC0098/MEDB0003ZH-REV-1/MEDD000013Y
Architecture	DIN EN 13501-1	<p>A2-s1, do classification, non-combustibility</p> <ul style="list-style-type: none"> A2 – non-flammable s1 – no smoke development do – no flammable dripping/falling off
Rail vehicles	DIN EN 45545	<p>Meets requirement set R1, Hazard Level 3, suitable for:</p> <ul style="list-style-type: none"> all construction types in all operating conditions
		

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