



LUXBOARD A - COATED SURFACE



DESCRIPTION

“Luxboard A - coated surface” is an aluminum honeycomb panel based on Luxboard A with an additional color coated top layer. The color coating is standard in white or black but can also consist of a variety of RAL colors or painted decors depending on the project and on the total number of pieces.

Coating technology

“Luxboard A – coated surface” is available in various paint coating types. The coating is carried out in the cost- and quality-optimized coil coating process. The coating types range from premium solutions in PVDF to more affordable alternatives in HDP and PE. Panel surfaces can also be executed in digital printing technology, including high-resolution image motifs. Almost all color variations are possible in the described coating techniques, but depending on the color and execution, a minimum order quantity may be required. Standard colors include white (RAL 9016) and black (RAL 9005), which are generally available in smaller quantities. Feel free to contact us anytime so that we can find a suitable solution for your application.

APPLICATIONS AND BENEFITS

- Lightweight and high stable aluminium honeycomb sandwich panels for decorative indoor and outdoor applications.
- High variety of surface design options offers users the possibility to choose from a wide range of options and to design their applications individually.
- Component thicknesses and dimensions are variable and can be specific manufactured upon request. This allow a variety of possible applications and offer market advantages.
- Due to coating the panel surfaces are additional protected against environmental conditions.

TECHNICAL DATA

Luxboard A – coated surface*		
Thickness	Total thickness panel [mm]	upon customer request
Dimensions	Width [mm]	1280 / 1530 mm or agreement
	Length [mm]	upon customer request
Honeycomb core	Material	EN-AW 3003
	Cell size [inch - mm]	1/4" - 6,4; 3/8" - 9,6; 1/2" - 12,7
Alu cover sheet	Alloy	EN-Al 5754
	E-Modulus [N/mm ²]	70.000
	Tensile Strength Rm [N/mm ²]	280
	Thickness [mm]	0,5 – 1,0
	Coating	PVDF, HDP oder PE
	Coloring /Decor	White (RAL 9016), Black (RAL 9005) or project-related

* All technical and mechanical values see Data sheet **Luxboard A**

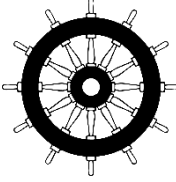





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CERTIFICATE (LUXBOARD A)

Ship constructions		<p>Module D Production Quality Assurance</p> <ul style="list-style-type: none"> Module D MEDD000013Y-rev.6 <p>Module B – Type Approvals</p> <p>Item no. MED/3.13 non-combustible</p> <p>Luxboard A honeycomb core with 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</p> <p>Luxboard A</p> <p>Item no. MED/3.18a surface materials and floor coverings with low flame spread characteristics</p> <p>Luxboard A with USCG no. 164.112</p> <ul style="list-style-type: none"> Module B MEDB00006H8
		<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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