



**luxpanel**  
International

## LUXBOARD A-QA



### DESCRIPTION

Luxboard A-QA is an innovative and effective acoustic panel in the area of noise reduction, which is produced using state-of-the-art manufacturing processes and high-quality materials. Working on the principle of „Hemholtz resonance“, Luxboard A-QA can be viewed as reactive silencer. It achieves an impressive absorption coefficient  $\alpha$  in the low frequencies. Previously, corresponding results could only be achieved with bulky and heavy material combinations.

Luxboard A-QA is made with high-quality aluminium alloys and is corrosion-resistant, lightweight and robust.

### APPLICATIONS AND BENEFITS

- Lightweight and structural aluminium honeycomb composite panels for acoustic applications, without fibers or foam.
- Impressive low frequency absorption.
- Component thicknesses are variable and can be manufactured individually upon request. This allows to expand the effective frequency band.



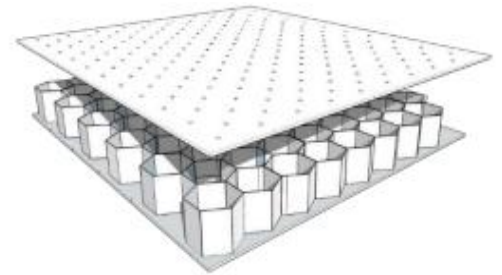


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### TECHNICAL DATA

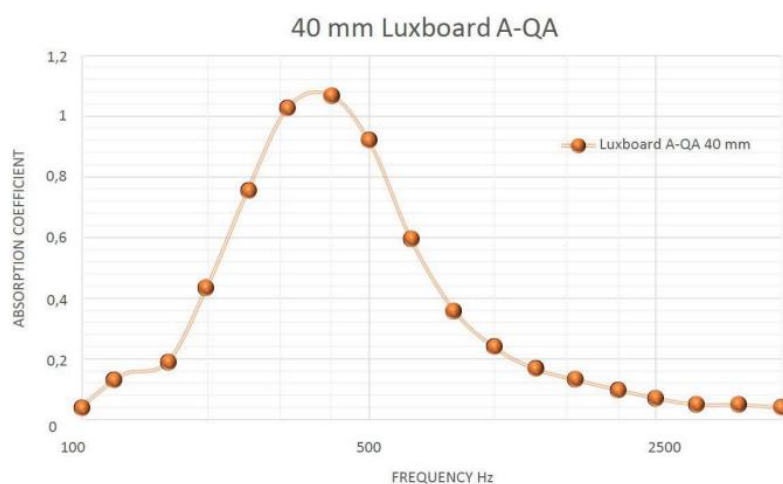
<b>Panel Thickness</b>	mm	variable up to 50 mm
<b>Cover Sheets</b>	Upper side	aluminium cover sheet, micro-perforated Standard type: coated in PVDF White
	Lower side	aluminium cover sheet Standard type: coated in PVDF White
<b>Hole pattern</b>	Upper side	Rv: 0,7-9,5 Free hole area amount: 0,5%
<b>Alloy</b>	Alu-cover sheet	5000 alloy range
	Honeycomb core	3000 alloy range
<b>Carrier sheet hardness</b>		H48
<b>Panel width</b>	mm	up to 1530 mm
<b>Panel length</b>	mm	variable
<b>Rw</b>		±30 dB



\* Mechanical values – see Data Sheet **Luxboard A**

Absorption Coefficient: as example Luxboard A-QA in 40 mm thickness

ABSORPTIONSKOEFFIZIENTEN: nach der Norm AS/ISO 354-2006



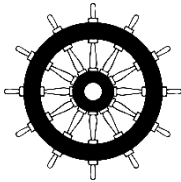


With Luxboard A-QA we are determined to release the world from the noise virus!





# LUXBOARD A-QA

## CERTIFICATES

Ship Construction		<p>Modul D Production Quality Assurance</p> <ul style="list-style-type: none"> <li>• Modul D MEDD000013Y-rev.6</li> </ul> <p>Module B – Type Approvals Item no. MED/3.13 non-combustible Luxboard A Wabenkern mit USCG no. 164.109</p> <ul style="list-style-type: none"> <li>• Modul B MEDB00003ZH-rev.2</li> </ul> <p>Item no. MED/3.64 C-class divisions, non-combustible materials Luxboard A</p> <ul style="list-style-type: none"> <li>• Modul B MEDB00002Do-rev.1 Luxboard D</li> <li>• Modul B MEDB000077T <b>Luxboard A-QA</b></li> <li>• Modul B MEDB000076N Blueboard</li> <li>• Modul B MEDB00002JV-rev.2</li> </ul> <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"> <li>• Modul B MEDB00006H8 Luxboard D mit USCG no. 164.112</li> <li>• Modul B MEDB00004HM-rev.1 Blueboard mit USCG no. 164.112</li> <li>• Modul B MEDB00006Hg</li> </ul>
		<p>Aluminum honeycomb core:</p> <ul style="list-style-type: none"> <li>• 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</li> </ul>
Architecture	DIN EN 13501-1	<p>A2-s1, do classification, non-combustibility</p> <ul style="list-style-type: none"> <li>• A2 – non-flammable</li> <li>• s1 – no smoke development</li> <li>• do – no flammable dripping/falling off</li> </ul>
Rail vehicles	DIN EN 45545	<p>Meets requirement set R1, Hazard Level 3, suitable for:</p> <ul style="list-style-type: none"> <li>• all construction types</li> <li>• in all operating conditions</li> </ul>
		

**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.

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