



**luxpanel**  
International

## LUXBOARD A-QA

Since 2010, we produce at our location in Bitburg (GER), the innovative aluminium honeycomb panel Luxboard : a modern and versatile material that is used worldwide and expands the design possibilities in the fields of shipbuilding, automotive, architecture, interior fittings, furniture and product design.

Luxboard meets high standards of efficiency and sustainability of modern materials and opens up completely new possibilities which is also due to our continuous production line.

**in association with :**



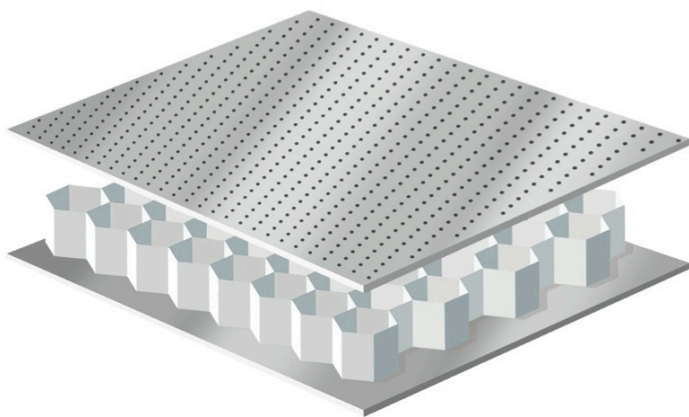
technology to cancel low to high frequency noise, responsible for heart disease, drops in cognitive performance, anxiety, stress, sleep deprivation, fatigue and ear damage. Quiet Acoustics clients include numerous quality companies and we would be pleased to extend our product and service offering to you.

The background of Quiet Acoustics specialists stems from years spent in manufacturing, contracting and consulting fields related vibration and noise control. Quiet Acoustics use widely certified, non-fibrous, resonating lightweight panel

**Introduce**

## LUXBOARD A-QA

*Honeycomb sandwich panels never sounded that good !*



**Luxboard A-QA** is an innovative and refined product made of highest quality of materials and the latest manufacturing processes. Thanks to the "*Helmholtz Resonance*", the panels can be considered as reactive silencers with impressive low frequency absorption coefficients. Such results were previously only achievable by use of bulky & heavy combinations. **Luxboard A-QA** is made of marine grade aluminium which is completely fibre-free, corrosion resistant, lightweight and robust.

*Welcome to fibre free noise control, the possibilities are endless...*

## 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

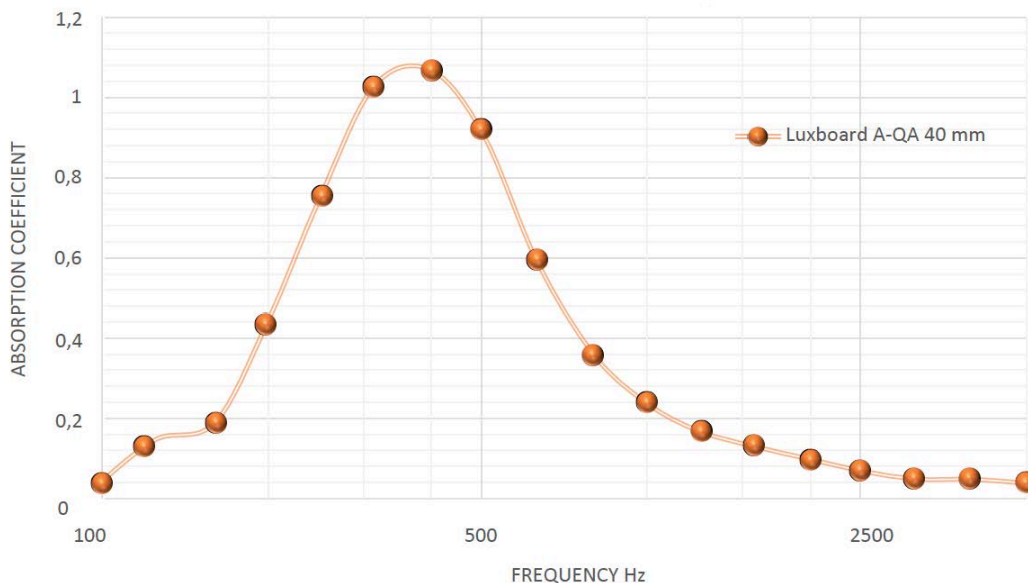
## LUXBOARD A-QA :

|                 |                   |                   |
|-----------------|-------------------|-------------------|
| Type            |                   | A-QA4007          |
| Panel Thickness | mm                | 40                |
| Skin Finish     | Front             | PVDF RAL 9010     |
|                 | Back              | PVDF RAL 9010     |
| Material Grade  | Skin              | 5000 grade series |
|                 | Core              | 3000 grade series |
| Skin Hardness   |                   | H48               |
| Panel Width     | mm                | 1500              |
| Panel Length    | mm                | up to 15 000      |
| Weight          | kg/m <sup>2</sup> | 5,21              |
| Rw              | dB                | ± 30              |

- ◆ Lightweight structural honeycomb sandwich panel
- ◆ 100 % Fibre and foam free material
- ◆ Impressive low-frequency sound absorption
- ◆ Standard panel thickness : 40 mm. Other thicknesses can be manufactured according to your requirements

## ABSORPTION COEFFICIENT : to AS/ISO 354-2006

40 mm Luxboard A-QA



*With Luxboard A-QA we are determined to rid the world of the noise virus !*