

**EC-TYPE EXAMINATION
CERTIFICATE (MODULE B)**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:**That the C class Divisions**

with type designation(s)
Luxboard A

Issued to

Luxpanel International GmbH
Bitburg, Germany

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2017/306,**

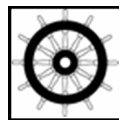
item No. MED/3.64. SOLAS 74 as amended, Regulation II-2/3.10 & 2/9 and IMO 2010 FTP Code

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-11-16.**

Issued at **Hamburg** on **2017-11-17**

DNV GL local station:
Essen



for **DNV GL SE**

Approval Engineer:
John Alan Walton

Notified Body
No.: **0098**

Sven Dudszus
Head of Notified Body

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Job Id: **344.1-006718-1**
Certificate No: **MEDB00002D0**

Product description

Luxboard A is an aluminium panel consisting of an aluminium honeycomb core with aluminium sheets adhered to each side.

The aluminium honeycomb core (thickness between 3.0 mm and 49.5 mm) covered on both sides with aluminium sheets (thickness between 0.25 mm and 1.5 mm), which are glued to the honeycomb core with the approved adhesive thermoplastic film LBA 125 (thickness between 0.12 and 1.0 mm).

Panel width up to 1600mm
Panel length up to 15000mm

Application/Limitation

The product is approved for use as a C-class division as defined in SOLAS Regulation II-2/3.10 and is considered as being non-combustible as per the IMO 2010 FTP Code, Annex 2, Para 1.

Additional surface materials have to be approved for low flame-spread characteristics and smoke and toxicity (IMO 2010 FTP Code, Annex 1, Parts 2 and 5).

Any adhesive used other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code Part 5.

Each product is to be supplied with its manual for installation and maintenance.

Type Examination documentation

Test report Nos. 20673209-10b & c dated 18th September 2017 and No. 20670140-20b dated 5th May 2017 issued by DMT GmbH & Co. KG (DMT-Test Laboratory for Fire Protection – Test Body for Fire Protection), Germany.

Technical data sheet: "Luxboard A".

Tests carried out

Tested in accordance with the IMO 2010 FTP Code (IMO Resolution MSC.307(88)) Annex 1, Part 5 and in compliance with Annex 2, item 2.2 for materials not generating excessive quantities of smoke nor toxic products in fire.

Marking of product

The product is to be marked with name and address of the manufacturer, type designation, fire technical rating and MED Mark of Conformity.