

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 Non-combustible materials

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/3.13. SOLAS 74 as amended, Regulation II-2/3 II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code

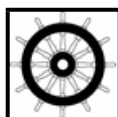
Further details of the equipment and conditions for certification are given overleaf.

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

Issued at **Hamburg** on **2018-04-20**

DNV GL local station:
Essen

Approval Engineer:
John Alan Walton



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-008065-1**
Certificate No: **MEDB00003ZH**

Product description

Luxboard A is an aluminium panel consisting of the approved non-combustible LPI 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).

Organic content is stated in Test report No. 8115395634-10, APS4-Hau/Wa.

Application/Limitation

The product is approved as a non-combustible material.

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).

Type Examination documentation

Test report No. 8115395634-10, APS4-Hau/Wa dated 31.01.2018 and 20670140-20b dated 5th May 2017 issued by DMT GmbH & Co. KG (DMT-Test Laboratory for Fire Protection, Dortmund, Germany Technical data sheet: "Luxboard A").

Tests carried out

IMO 2010 FTP Code (IMO Resolution MSC.307(88)) Annex 1, Part 1

Marking of product

The product or packing is to be marked with name and address of the manufacturer, type designation, Mark of Conformity and USCG approval number. (See Page 1).