

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 Surface materials and floor coverings with low flame-spread characteristics:
decorative veneers**

with type designation(s)

Luxboard D - laminated surface finish on aluminium honeycomb panel

Issued to

**Luxpanel International GmbH
Bitburg, Rheinland-Pfalz, Germany**

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

Regulation **(EU) 2018/773**,

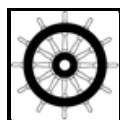
**item No. MED/3.18a. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000
HSC Code 7 and IMO 2010 FTP Code**

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

This Certificate is valid until **2023-09-13**.

Issued at **Hamburg** on **2018-09-14**

DNV GL local station:
Essen



for **DNV GL SE**

Approval Engineer:
Pavel Golyshov

Notified Body
No.: **0098**

Sven Dudzsus
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

"Luxboard D - laminated surface finish on aluminium honeycomb panel"

Laminate surface coating applied on approved non-combustible aluminium honeycomb panel of type Luxboard A. The laminate coating consists of paper bound with a phenol resin.

The laminate coating is glued to the underlying aluminium honeycomb panel by means of approved adhesive thermoplastic film LBA 125 (surface weight of 50 g/m²).

Maximum applied thickness of laminate coating (per panel side):	0.4 mm
Density laminate coating:	1350 kg/m ³
Approved colour of laminate coating:	brown
Maximum organic content of laminate coating:	65.9%

For further details see Type Examination documentation below.

Application/Limitation

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use as decorative veneer on approved non-combustible aluminium honeycomb panel of type Luxboard A. Application on another type of approved non-combustible honeycomb is subject to case by case approval.

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 Annex1 Part 5 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

The product satisfies the requirement for maximum calorific value (ref. SOLAS Chapter II-2, Reg 5.3.2.2) without further testing.

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

Type Examination documentation

Test report no. 8115656459-10 dated 15th of June 2018 issued by DMT GmbH & Co. KG , Germany.

Tests carried out

Tested according to IMO 2010 FTP Code (IMO Resolution MSC.307(88)) Annex 1 Part 5, and in compliance with Annex 2 item 2.2 and 2.3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, MED Mark of Conformity and USCG approval number if applicable (see first page).