DNV·GL

Certificate No:
MEDB000034U

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)
MarineStopFlam lightweight plywood (4-30 mm)

Issued to
Patrick Leleu Furnier GmbH
Kuppenheim, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
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 **2023-01-09**.

Issued at **Hamburg** on **2018-01-10**

DNV GL local station:
Augsburg

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description

"MarineStopFlam lightweight plywood"
consisting of wooden veneers with a thickness of 4 mm up to 30 mm. Minimum thickness of outer layers is of 4 mm (Funier Fuma) and a middle layer of 6 x 4 mm Funier Fuma / Okume. The veneers are impregnated with a flame retardant BrakeStopFlam F-retardant. The layers are bonded together with the adhesive Everad.

Thickness: 4 to 30 mm
Colour : Yellow-Brown

Adhesive:
Everad ADW2067, Manufacturer: Everad Adhesives SAS, France

For further details see information under Type Examination Documentation

Application/Limitation

This certificate replaces the previous MED-B certificate 61326-13 HH.

No substrate used at the test, product may be applied to any metallic base and non-combustible base, if the product would not need any adhesive or combustible material material layer.

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

Any adhesive used has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Use to be in accordance with the manufacturer's instructions.

When used as part of any bulkhead, ceiling or lining in service and accommodation spaces the total volume of combustible materials shall not exceed a volume equivalent to 2.5mm veneer on the combined area of the walls and ceiling linings. The calorific value shall not exceed 45MJ/m² of the area for the thickness used.

Type Examination documentation

Test Reports No. 2717034 dated 2017-06-28 and ST-17-12-12-01 dated 2017-12-12 from EPH Entwicklungs- und Prüflabor GmbH Dresden/Germany.

Tests carried out

Tested according to IMO 2010 FTP Code Annex 1, Part 5, Annex 2, Item 2.2.

Marking of product

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