



European notified body
Identification number 0736



DGUV Test

Prüf- und Zertifizierungsstelle
BG Verkehr
Dienststelle Schiffssicherheit

EC-Type Examination (Module B) Certificate

Certificate No. **102.288**

U.S. Coast Guard Approval No. **164.110/EC0736/102.288**

Name and address of the manufacturer: **Lethe GmbH
Seehafenstraße 17
21079 Hamburg (Germany)**

Date of issue: **03.03.2015**

Annex A.1 Item No & Item designation: **A.1/3.11 b – "B" class divisions, fire integrity**

Product designation: **Horizontal B-15 class division**

Product Type: **LM25-C1-B15**

Intended purpose: **"B" class division for sea going vessels according complying with SOLAS 74/88 Reg. II-2/9 and II-2/3.4 as amended.**

Testing based on (Specific standard): **IMO Resolution MSC.307 (88)-(FTP-Code 2010)*
*) = not applicable accordance chapter 8.2 IMO Resolution MSC.307 (88)
IMO Resolution MSC.61(67)-(FTP-Code), Annex 1, Part 3**

Remarks: **see page 2 + 3**

The type tested was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2013/52/EU subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D, E or F** of this directive.

Expiry date: **02.03.2020**



Signature (Bork)

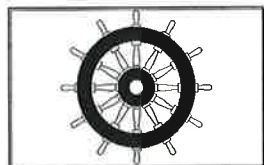


Installed equipment stays approved beyond the validity date until it is revoked!

Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: 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-control phase module (D, E or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



xxxx/yy

Note 4: "Wheelmark" Format

YY Last two digits of year mark affixed.

XXXX Notified Body number undertaking surveillance module

Technical data / approved drawings and additional conditions and remarks:

1.

This EC-Type Examination Certificate is based on the following documents:

- Test Report GH01.35.1 of the "Brandversuchshaus Hamburg", 22767 Hamburg (D), dated 08.06.2001.
- Letter of confirmation of the "Brandversuchshaus Hamburg" (Dipl.- Ing. A. Pavlik) dated 08.01.2009.
- Certification no. AS-10-02-Lethe(2) of the "Brandversuchshaus Hamburg" (Dr.- Ing. Rosenfeld) dated 17.02.2010.

2.

This EC-Type Examination Certificate provides that the assembly of the suspended ceiling coincides in all items with the construction as described in number 4.2 and the enclosures no. 4 - 9 to the Test Report GH01.35.1.

3.

All measurements of the suspended ceiling B-15 must be in accordance with the drawing numbers FT-LM25-C1-B15-0103-01, FT-LM25-C1-B15-0103-02, FT-LM25-C1-B15-0103-03, FT-LM25-C1-B15-0103-04, FT-LM25-C1-B15-0103-05 and description of the construction (enclosures no. 4 - 9 to the Test Report GH01.35.1).

They can only be changed in compliance with the Prüf- und Zertifizierungsstelle of Ship Safety Division.

4.

The maximum size of the sandwich aluminium panels with a mineral wool core is 2334 mm x 600 mm.

5.

As insulation material has to be used:

- "SeaRox SL 445" resp. "Rockwool Marine Slab 150" (density 150 kg/m³ - thickness 23.5 mm), EC Type-Examination Certificate No. MED-B-8714, issued by Det Norske Veritas.

6.

Non combustible insulation material as per Test Report GH01.35.1 may be replaced by a different one, provided that its composition and physical properties (e.g. heat conductivity, density and thickness of the material) correspond with the tested material and an approval as per directive 96/98, as amended has been obtained.

This has to be proved to Ship Safety Division beforehand in written form.

7.

As adhesive has to be used:

- Promat-Kleber K84
EC-Type Examination Certificate No. 118.186 issued by Dienststelle Schiffssicherheit.

8.

Surface materials which will be used must be not readily ignitable and approved by an European notified body.

9.

The equipment shall be marked in accordance with article 11 of the Council Directive 96/98 EC of 20 December 1996 on Marine Equipment as amended.

10.

This EC-Type Examination Certificate replaces the old EC-Type Examination Certificate, issued on 11.03.2010 with a running time up to 31.03.2015.

11.

This EC-Type Examination Certificate may only be published or transmitted unabridged.

Technical data / approved drawings and additional conditions and remarks:

Note:

This product has been assigned a U.S. Coast Guard approval no. (USCG number) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval 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 U.S. Coast Guard approval number is:

164.110/EC0736/102.288

The equipment manufacturer has to be mark the equipment with this U.S. Coast Guard approval number.