



BG Verkehr
 Ship Safety Division
 Prüf- und Zertifizierungsstelle
 im BG-PRÜFZERT
 European notified body
 Identification number 0736

Deutsche Gesetzliche
 Unfallversicherung



EC-Type Examination (Module B) Certificate

Certificate No. **111.055**

U.S. Coast Guard Approval No. **164.136/EC0736/111.055**

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

Date of issue: **10.03.2010**

Annex A.1 Item No & Item designation: **A.1/3.16 – Fire Doors**

Product designation: **Single Leaf Hinged Door type B-15**

Product Type: **LM 25 - ID - B15 Inspection Door**

Intended purpose: **"B" class door according to SOLAS 74/88 Reg. II-2/9, as amended.**

Testing based on (Specific standard): **IMO Resolution MSC.61(67)-(FTP-Code), Annex 1, Part 3
 IMO MSC/Circ.1120
 IMO MSC1/Circ. 1273*
 *) = not applicable**

Remarks: **see page 2 and page 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 2008/67/EC + 2009/26/EC 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: **31.03.2015**



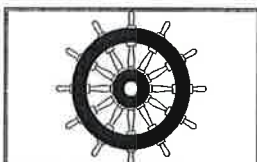
Signature (BGR)

The approval of the installed equipment will be in force 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 no. GV99.56.1 of the "Brandversuchshaus Hamburg", 22767 Hamburg (D), dated 02.05.2000
 - Letter of Conformity of the "Brandversuchshaus Hamburg" (Mr. Pawlik), dated 08.01.2009
 - Certification no. AS-10-02-Lethe(2) of the „Brandversuchshaus Hamburg“ (Dr.- Ing. Rosenfeld) dated 17.02.2010
 - Assessment no. AS-10-01-Lethe(1d) of the „Brandversuchshaus Hamburg“ (Dr.- Ing. Rosenfeld) dated 02.02.2010

2.
This EC Type-Examination Certificate provides that the assembly of the single leaf hinged door of Type B-15 coincides in all items with the construction as described in number 4.2 and the annexes of the Test Report no. GV99.56.1.

3.
All measurements of the single leaf hinged door of type B-15 must be in accordance with the drawings and the part list (annexes of the Test Report no. GV99.56.1) or acc. to the Assessment no. AS-10-01-Lethe(1d). They can only be changed in compliance with the Prüf- und Zertifizierungsstelle of the Ship Safety Division.

4.
The maximum clear opening size is 550 mm x 1780 mm.

5.
As insulation material has to be used:
 - Heralan-DP-15 SB (150 kg/m³)or
 - Rockwool Marine Slab 150 (150 kg/m³), EC Type- Examination Certificate No. MED-B-5718, issued by DET NORSKE VERITAS

- Note:**
As from 21.07.2009 insulation materials which will be used must be approved by an European notified body in accordance of the commission directive 2008/67/EC, as amended.

6.
Non combustible insulation material as per Test Report no. GV99.56.1 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.
Adhesives and surface materials which will be used must be not readily ignitable and approved by an European notified body.

8.
Hinges, locks, latches, shoot bolts, handles, etc. shall comply with IMO Res. A.754 (18), paragraph 2.6.2.1.

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 07.03.2005 with a running time up to 31.05.2010.

11.

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

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:

164.136/EC0736/111.055

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