



European notified body  
Identification number 0736



**DGUV Test**  
Prüf- und Zertifizierungsstelle  
BG Verkehr  
Dienststelle Schiffssicherheit

## EC-Type Examination (Module B) Certificate

Certificate No. **110.063** U.S. Coast Guard Approval No. **164.136/EC0736/110.063**

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.1/3.16 – Fire Doors**

Product designation: **Double leaf hinged door type A-60**

Product Type: **Double leaf door, type LL-DL1-A60**

Intended purpose: **"A" class door according to SOLAS 74/88 Reg. II-2/9, 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 MSC/Circ. 1319\*  
\*) = not applicable  
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**



*(Handwritten signature)*  
Signature (Niehus)

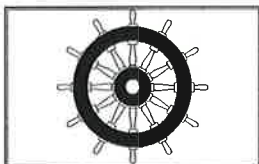


Installed equipment stays approved beyond the validity date until it is revoked!

**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 No. GV07/5274.1 of the "Brandversuchshaus Hamburg", 22767 Hamburg (D), dated 16.08.2007
- Drawing no. FT-LL-DL1-A60-0610-12 (Rev. 3) of the company Lethe GmbH dated 16.10.2007
- Letter of Conformity of the "Brandversuchshaus Hamburg", 22767 Hamburg (D), dated 08.01.2009
- Certification no. AS-10-02-Lethe(2) of the „Brandversuchshaus Hamburg“ dated 17.02.2010.

2.

This EC-Type-Examination Certificate provides that the assembly of the double leaf hinged door of type A-60 coincides in all items with the construction as described in number 4.2, the annexes no. 3 - 14 of the Test Report No. GV07/5274.1 and drawing no. FT-LL-DL1-A60-0610-12 (Rev. 3).

3.

All measurements of the double leaf hinged door of type A-60 must be in accordance with the drawing no. FT-LL-DL1-A60-0610-01 (Rev.3), FT-LL-DL1-A60-0610-02 (Rev.3), FT-LL-DL1-A60-0610-03 (Rev.3), FT-LL-DL1-A60-0610-04 (Rev.3), FT-LL-DL1-A60-0610-05 (Rev.3), FT-LL-DL1-A60-0610-06 (Rev.3), FT-LL-DL1-A60-0610-07 (Rev.3), FT-LL-DL1-A60-0610-08 (Rev.3), FT-LL-DL1-A60-0610-09 (Rev.3), the material specifications FT-LL-DL1-A60-0610-11 (Rev.3) and FT-LL-DL1-A60-0610-010 (Rev.3), the description of construction (annexes no. 3 - 14 of the Test Report No. GV07/5274.1) and drawing no. FT-LL-DL1-A60-0610-12 (Rev. 3).

They can only be changed in compliance with the Prüf- und Zertifizierungsstelle of the Dienststelle Schiffssicherheit..

4.

The maximum clear opening of the double leaf hinged door is 2200 mm x 2150 mm (width x height).

5.

The thickness of the door is approx. 52 mm.

6.

As insulation material has to be used:

- "Promatect-H", EC-Type Examination Certificate No. 107.103, issued by Dienststelle Schiffssicherheit
- "SeaRox SL 445" resp. "Rockwool Marine Slab 150" (density 150 kg/m<sup>3</sup>), EC Type-Examination Certificate no. MED-B-8714, issued by Det Norske Veritas.

7.

Non combustible insulation materials as per Test Report No GV07/5274.1 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 the Dienststelle Schiffssicherheit beforehand in written form.

8.

As adhesive has to be used:

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

9.

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

**Technical data / approved drawings and additional conditions and remarks:**

10.  
Hinges, locks, latches, shoot bolts, handles, etc. shall comply with IMO Resolution A.754 (18), paragraph 2.6.2.1.
11.  
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.
12.  
This EC-Type Examination Certificate may only be published or transmitted unabridged.
13.  
This EC-Type Examination Certificate replaces the old EC-Type Examination Certificate, issued on 10.03.2010 with a running time up to 31.03.2015.

**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/EC0736/110.036**

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