



European notified body  
Identification number 0736

## EC-Type Examination (Module B) Certificate

Certificate No. **110.078**

U.S. Coast Guard Approval No. **164.136/EC0736/110.078**

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

Date of issue: **09.05.2016**

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

Product designation: **Single leaf hinged door, type A-60**

Product Type: **Single Leaf Hinged Door, Type A-60 - LL-D2-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 8.3 IMO Resolution MSC.307 (88)  
IMO Resolution MSC.61(67)-(FTP-Code) Annex 1, Part 3  
IMO MSC/Circ. 1319\*\*  
\*\*) = not applicable**

Remarks: **see page 2 and 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 2015/559/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: **08.05.2021**



*Niehus*  
Signature (Niehus)

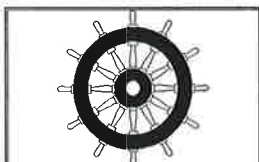


The approval of the installed equipment will be in force beyond the validity date until it is revoked!

**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. GV04/3950.1 issued by "Brandversuchshaus Hamburg", 22767 Hamburg (DE), on 27.12.2005.
- Test Report No. GV07/5274.1 issued by "Brandversuchshaus Hamburg", 22767 Hamburg (DE), on 16.08.2007.
- Drawing No. FT-LL-DL1-A60-0610-12 (Rev. 3) of the company Lethe GmbH, dated 16.10.2007.
- ASSESSMENT TO TEST REPORT GV07/5274.1 issued by "Brandversuchshaus Hamburg" on 16.10.2008.
- Letter of confirmation of the "Brandversuchshaus Hamburg" dated 08.01.2009.
- Certification No. AS-10-02-Lethe(2) issued by Brandversuchshaus Hamburg" on 17.02.2010

2.

This EC-Type-Examination Certificate provides that the assembly of the single leaf hinged door of type A-60 coincides in all items with the construction as described in the documents above.

3.

All measurements of the single leaf hinged door of type A-60 must be in accordance with the drawings (enclosures to the Test Report GV04/3950.1, GV07/5274.1, Drawing No. FT-LL-DL1-A60-0610-12 (Rev. 3), ASSESSMENT TO TEST REPORT GV07/5274.1 and the material specifications.

They are only allowed to be changed in compliance with the Test and Certification Body of the Ship Safety Division.

4.

Maximum clear opening dimensions: 1020 mm x 2100 mm (width x height)

5.

Thickness of the door: approx. 52.0 mm

6.

As insulation material has to be used:

- SeaRox SL 440 (density: 150 kg/m<sup>3</sup>)

EC-Type Examination Certificate No. MED-B-8714, issued by Det Norske Veritas

- PROMATECT-H (density: 870 kg/m<sup>3</sup>)

EC-Type Examination Certificate No. 107.103, issued by BG-Verkehr - Ship Safety Division

7.

The non-combustible insulation material as per Test Reports / Assessment 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/EC, as amended, has been obtained.

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

8.

As adhesive material has to be used:

- Promat-Kleber K84

EC-Type Examination Certificate No. 118.186, issued by BG-Verkehr - Ship Safety Division

9.

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

10.

Hinges, locks, latches, shoot bolts, handles etc. should comply with the IMO Resolution MSC.307(88)-(FTP-Code 2010), Annex 1, Part 3, paragraph 2.3.2.2.

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 replaces the old EC-Type Examination Certificate, issued on 23.05.2011 with a running time up to 31.05.2016.

13.  
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/EC0736/110.078**

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

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