



European notified body
Identification number 0736



DGUV Test

Prüf- und Zertifizierungsstelle
BG Verkehr
Dienststelle Schiffssicherheit

EC-Type Examination (Module B) Certificate

Certificate No. **111.066**

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: **Single leaf hinged door with window type B-15**

Product Type: **LM 50-D2-B15 with window**

Intended purpose: **"B" 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**



Signature (Niehus)

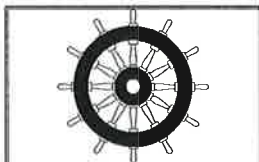


Installed equipment stays approved beyond the validity date until it is revoked!

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. GV05/4522.1 of the "Brandversuchshaus Hamburg", 22767 Hamburg (D), dated 27.11.2006
- Certification no. AS-10-02-Lethe(2) of the „Brandversuchshaus Hamburg“, dated 17.02.2010
- Letter of Conformity of the „Brandversuchshaus Hamburg“, dated 08.01.2009

2.

This EC-Type Examination Certificate provides that the assembly of the single leaf hinged door with window class B-15 coincides in all items with the construction as described in no. 4.2 and the annexes no. 4-12 to the Test Report GV05.4522.1.

3.

All measurements of the single leaf hinged door with window class B-15 must be in accordance with the drawing numbers FT-LM50-D2-B15-0409-01 (Rev.2), FT-LM50-D2-B15-0409-02 (Rev.2), FT-LM50-D2-B15-0409-03 (Rev.1), FT-LM50-D2-B15-0409-04 (Rev.1), FT-LM50-D2-B15-0409-05 (Rev.2), FT-LM50-D2-B15-0409-06 (Rev.2), FT-LM50-D2-B15-0409-07 (Rev.2), TB 63 PB 69 and description of construction (annexes 4-12 to the Test Report GV05.4522.1).

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

4.

The maximum size of the clear opening is 900 mm x 2050 mm.

5.

The glass type "PROMAGLAS® 30, Typ 1" (17 mm thick), from the manufacturer Promat GmbH has to be used.

6.

The glass opening is approx. 500 mm x 500 mm.

7.

As insulation material has to be used:

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

- "Rocklit/Conlit 300-450", EC Type-Examination Certificate No. MED-B-7387, issued by Det Norske Veritas.

- "Promatect-H", EC-Type Examination Certificate No. 107.103, issued by Dienststelle Schiffssicherheit

8.

Non-combustible insulation material as per Test Report GV05/4522.1 may be replaced by another one, provided that its composition and physical properties (e.g. heat conductivity, density and thickness of the material) correspond with the tested material and a type-examination certificate as per directive 96/98/EC, as amended, has been obtained.

This shall be proved to Dienststelle Schiffssicherheit beforehand in written form.

9.

Adhesives and surface materials to be used shall be not readily ignitable and shall be approved by an European notified body.

10.

Hinges, locks, latches, shoot bolts, handles, etc. should comply with the IMO Resolution A.754(18), paragraph 2.6.2.1.

Technical data / approved drawings and additional conditions and remarks:

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 10.03.2010 with a running time up to 31.03.2015.