



European notified body
Identification number 0736

EC-Type Examination (Module B) Certificate

Certificate No. **110.083**

U.S. Coast Guard Approval No. **164.136/EC0736/110.083**

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

Date of issue: **02.06.2014**

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

Product designation: **Single leaf door type A-60 class**

Product Type: **Fire door type "LYD 3PLUS-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) Annex 1, Part 3
- IMO MSC/Circ. 1319**

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 2012/32/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: **01.06.2019**



Signature (Niehus)

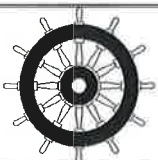


The approval of the installed equipment will be in force beyond the validity date until it is revoked!

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 document:

- Test Report no. DMT-DO-53-022 of "DMT GmbH & Co. KG", 49762 Lathen, issued by 07.03.2014.

2.

This EC-Type Examination Certificate provides that the assembly of the single leaf door type A-60 coincides in all items with the construction as described in number 2.2.2 and the enclosures no. 1.1 - 1.14 of the Test Report no. DMT-DO-53-022.

3.

All measurements of the single leaf door type A-60 must be in accordance with the drawings / Material lists to the Test Report no. DMT-DO-53-022.

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

4.

The maximum size of clear opening of the door is 1050 x 2100 mm (width x height).

5.

Thickness of the door: 50.0 mm.

6.

As insulation material has to be used:

- "Paroc Marine Slab 220" (density 220 kg/m³)

EC Type-Examination Certificate no. VTT-C-5817-15-10, issued by VTT Expert Services Ltd.

- "PROMATECT-H" (density: 870 kg/m³)

EC Type-Examination Certificate no. 107.051, issued by BG- Verkehr - Dienststelle Schiffssicherheit.

7.

The non-combustible insulation material as per Test Report no. DMT-DO-53-022 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 - Dienststelle Schiffssicherheit.

9.

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

10.

Seals which will be used for the door must be not readily ignitable and / or accepted by Ship Safety Division.

Technical data / approved drawings and additional conditions and remarks:

11.
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.
12.
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.
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/EC0736/110.083

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