EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007SF

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
Class B-15 fireproof sliding door, 262WDL021-00

Issued to
Wuxi MNET Equipment Tech Co., Ltd.
Wuxi, Jiangsu, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2021/1158,**
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511, IMO MSC.1/Circ.1319

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-04-19**.

Issued at **Høvik** on **2022-04-20**

DNV local station:
Jiangyin NB & CMC

Approval Engineer:
Thorvald Furuseth

Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

"Class B-15 Fireproof Sliding Door, 262WDL021-00"
A door construction consisting of single leaf sliding door in a stainless-steel frame.
The door leaf is composed of insulating core made of 40 mm thick rock wool LYB (manufactured by Yixing Ocean Ship Material Co. Ltd. with nominal density of 100 kg/m^3) covered with 1 mm thick stainless-steel plate on both sides. Adhesive is used for the fixation of insulation.

The door leaf has internal reinforcement by 1.5 mm thick 6 channel stainless-steel stiffeners: 4 longitudinal and 2 vertical. Adhesive is used for the fixation of insulation. The door is equipped with a fireproof locking device.

Total door leaf thickness is 42 mm.

The four-edge door frame profile is constructed with 1.5 mm thick stainless-steel plate. Guide rails on the upper half of door. The door frame is equipped with 13 x 9 mm and 20 x 4 mm fireproof adhesive strip (manufactured by Hebei Debang Special Sealing Strips Co. Ltd.) and anti-flaming adhesive strip FP-08 type (manufactured by Jiangyin Haida Rubber and Plastic Co. Ltd.) The door frame is fitted to the steel bulkhead by using M6 bolts with max distance 150 mm c/c and may also be welded to the bulkhead.

The door leaf may be fitted with:

- 34 mm thick window (provided by Qinhuangdao Yaohua Industrial and Technical Glass Co. Ltd.) in the upper part of door leaf with clear opening: 500 mm x 600 mm (W x H)
- escape with air gird with max. clear opening: 426 mm x 526 mm (W x H).

For further details refer to the test reports listed under Type Examination documentation below.

Application/Limitation

The door is approved for installation in steel bulkheads of class B-15. Installation of the door in bulkheads made of other materials (aluminum, FRP, etc.) are subject to case-by-case approval.

Max. clear opening of door: 1200 mm x 2100 mm (W x H)
Max. size of door leaf: 1296 mm x 2130 mm (W x H)

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Test Report No. FT19322 dated 28 November 2019 from FEFTC, Shanghai, China.
Test Report No. FT19323 dated 28 November 2019 from FEFTC, Shanghai, China.

Drawing Nos.:
- 262WDL021-NHBZ (2 pages) dated 21 August 2019,
- 262WDL021-00 dated 21 August 2019,
- 262WDL021-01 dated 21 August 2019,
- 262WDL021-02 dated 21 August 2019,
- 262WDL021-03 dated 21 August 2019,
- 262WDL021-04 dated 21 August 2019,

All from Wuxi Delin Marine and Ocean Technology (Group) Co., Ltd., Wuxi, China.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).

USCG approval limitations

The approval is limited to fire doors without windows and doors with total window area of 645 cm^2, or less, in each door leaf. For larger windows, USCG shall be contacted.