EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007S6

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)
262WHL095F-00 A-60 class door

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"262WHL095F-00 A60 class door"
a single leaf hinged door with door leaf constructed of an insulating core of 80 mm thick ceramic wool "TG-II" (manufacturer by Yixing Marine insulation Material Factory with nominal density of 170 kg/m³) faced from exposed side with 10 mm thick high strength steel, 10 mm thick fireproof board and 1.5 mm thick steel plate from unexposed side, stiffened with five 80 x 60 x 6 mm rectangular tube stiffeners.

Total door leaf thickness 100 mm.

The door leaf is fixed to the frame with three hinges and equipment with central locking device and 12 points clip locking system.

The door frame is assembled from 20 mm and 30 mm thick steel plates, arranged at the inside of its perimeter with two continuous grooves of specification 20 x 4 mm and 12 x 11 mm and it is fully welded to the bulkhead.

For further details, see the approved drawings listed under Type Examination documentation below.

Application/Limitation

The door is approved for installation in steel bulkheads of class A-60. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. size of door leaf: 1300 x 2400 mm (W x H)
Max. clear opening: 1200 x 2300 mm (W x H)

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

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

Type Examination documentation

Test Report No. FT11015, dated 27th January 2011 from Far East Fire Testing Centre, Shanghai, China.

Drawing No. 262WHL095F-BZ, dated 10th October 2018, from Wuxi Hailian Marine Accommodation, China
Drawing No. CD-A000S-1 (2 pages), dated 10th October 2018, from Wuxi Hailian Marine Accommodation, China
Drawing No. 262WHL095F-00, dated 10th October 2018, from Wuxi Hailian Marine Accommodation, China
Drawing No. 263WHL095F-01, dated 10th October 2018, from Wuxi Hailian Marine Accommodation,
Drawing No. 263WHL095F-02. dated 10th October 2018, from Wuxi Hailian Marine Accommodation, China

Tests carried out

Tested according to IMO FTPC Part 3 and compliance with IMO 2010 FTP Code Ch. 8.

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).