DNV·GL

Certificate No:
MEDB00006N3

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Fire Doors

with type designation(s)
Class A-0 Fire Door, type: XF031-B-00

Issued to
Wuxi Xinfan Marine Equipment Co., Ltd.
Wuxi, 100, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
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 **2025-11-29**.
Issued at **Hamburg** on **2020-11-30**

DNV GL local station:
Jiangyin NB & CMC

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

Gerhard Aulbert
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 European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004, and amended by Decision No 1/2018 dated February 18th, 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 GL SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.

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Product description

"Class A-0 fire door, type: XF031-B-00"
is a single leaf hinged door with single handle opening. The door is composed of frame, one door blade, locking arrangements and sealing material. The door leaf is constructed of 8 mm thick steel panel and is reinforced by three lateral stiffeners 75mm x 10 mm.

Total door leaf thickness is 83mm.

The door leaf is supported by two steel hinges and the leaf is closed to the door frame by linkage locking mechanism means of 10 locking points and one handle which have been exposed to the fire.

The door frame is a four-sided door frame of external size 110mm wide x 2200 high x 100mm deep which was made by angle steel of 100mm x 35mm x 10mm. There was a continuous groove fixed at the perimeter of the door leaf for the fireproof seal strip to fill in.

A Fireproof seal strip 20mm x 8mm and a rubber strip of 40mm x 20mm is installed at the perimeter of door leaf.

The door may be fitted with a circular window constructed of window base, window frame, tempered glass, fix plate, insulation and seal materials of 12mm thickness. manufactured by Yixing Yushi special Glass Co., Ltd.

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

Application/Limitation

The door is approved for installation in steel bulkheads of class A-0. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. clear door opening:	900mm x 2000 mm (W x H)
Max. size of door blade:	858mm x 1908 mm (W x H)
Maximum clear opening of window glazing:	ø340 mm

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.

Note that this is a fire safety certificate which only covers fire technical properties (i.e. not to cover strength evaluations related to watertightness, weathertightness, etc.).

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

Type Examination documentation

Test report No. FT17331 dated 08th January 2020 from Far East Fire Testing Centre, Shanghai, China.

Dwg. No. XF031-B-00/01/02/03/04/05/06/07/08 and XF031-B-00JB from manufacturer.

Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code Annex 1, Part 3

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, 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 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.