



Certificate No:
TAF00001KH

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class B Door

with type designation(s)

Marine BJMZB15 Type B-15 Class Service Door

Issued to

Jiangsu Haojun Huake Housing Industrial Co., Ltd.
Jingjiang, China

is found to comply with

DNV offshore standards

DNV rules for classification – Ships

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application :

Approved for use as an integrated part of fire retarding division of class B-15.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

This certificate is recognized by Transport Canada.

Issued at **Hamburg** on **2022-03-23**

This Certificate is valid until **2027-03-22**.

DNV local station: **Jiangyin NB & CMC**

for **DNV**

Approval Engineer: **Roland Priebe**

.....
Jörg Kallies
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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.



Form code: TA 251

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Product description

The **Marine BJMZB15 Type B-15 Class Service Door** is a class B-15 service door.

The door leaf is 30 mm thick and composed of 0.6 mm thick steel plate + rock wool + 0.6 mm thick steel plate. Adhesive is used in the interior structure of the door leaf for the fixation of the insulation material. On one side the door leaf is provided with a long hinge and on the other side with a handlock. During the test the door leaf was installed to open towards the unexposed side.

The Z-shaped door frame is made of 1.2 mm thick steel plate and fixed to the bulkhead with screws on the unexposed side. A fireproof seal strip is provided on the inside of the door frame.

Materials:

The insulation material used in the service door is YG-2 type rock wool from Changzhou Thermal Insulation Material Factory Co., Ltd. Nominal density: 120 kg/m³; nominal thickness: 100 mm; moisture content ≤0.5%; nominal organic content ≤4%.

Fireproof seal strip: FPJ-B type fireproof expansion seal strip, 20 mm x 2 mm, from HeBei DeBang Special Sealing Strip Co., Ltd.

Fireproof lock: C-J type door lock from Nantong Hujiang Lock Co., Ltd.

Hinge: long hinges bought from the market.

For further information please see under Type Approval documentation below.

Application/Limitation

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

Maximum door leaf size: 733 mm x 1982 mm (W x H).

Maximum clear door opening: 700 mm x 1950 mm (W x H).

Any surface materials used on door leaf and door frame have to be approved for smoke and toxicity and low flame-spread characteristics IMO 2010 FTP Code Parts 2 and 5 (or IMO FTPC Parts 2 and 5 when in compliance with the IMO 2010 FTP Code Ch. 5.2 and 8) when required according to relevant rules.

Any adhesives used, other than the used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5.

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

Type Approval documentation

Certification in accordance with Class Program DNV-CP-0338, September 2021.

Test report No. FT21008 dated 2021-01-25 from FAR EAST FIRE TESTING CENTRE, Shanghai, China.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation and fire technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances and Fire Safety Systems, Equipment and Products (TP 14612)", DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Program DNV-CP-0338, Section 4.