

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
BJMB15(IV) Type B-15 Class Service door

Issued to

Huanan Building Materials (Shenzhen) Co., Ltd.
Shenzhen, Guangdong, 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

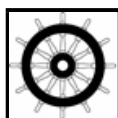
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-12-06**.

Issued at **Høvik** on **2020-12-07**

DNV GL local station:
China South NB

Approval Engineer:
Tessa Biever



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

"BJMB15(IV) Type B-15 Class Service door",

is a single leaf hinged door with door blade composed of (from exposed side):

- 0.6 mm thick galvanized steel plate
- 6 mm thick calcium silicone board of type LGB-0 (density 1100 kg/m³, manufactured by Suzhou City Weiyu Marine Material Decoration Co., Ltd.)
- 18 mm thick marine rock wool of type Maritime Rockwool Slab (density 150 kg/m³, manufactured by Rockwool Firesafe Insulation (Guangzhou) Co., Ltd.)
- 0.6 mm thick galvanized steel plate

The insulation is glued to the steel sheets with adhesive.

Total door leaf thickness: 25 mm

The door frame consists of 1.2 mm thick steel profile which is fixed to the bulkhead with pop rivets (8x3.2 mm c/c max. 300 mm). The door leaf is connected to the frame with a continuous hinge.

For further details, see drawing listed under Type Examination documentation below.

Application/Limitation

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

Max. door leaf size: 633 mm x 634 mm (W x H)

Max. clear door opening: 600 mm x 600 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 door is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Test report No. FT14407 dated 12 January 2015 from FEFTC, Shanghai, China.

Drawing No. Q262HN98-00SY (7 sheets) dated 27 October 2014 from manufacturer.

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 and the MED Mark of Conformity (see first page).