

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 the Kingdom of Norway.

This is to certify:

That the Fire Doors

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

Issued to

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

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511

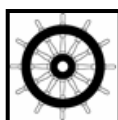
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-10-20**.

Issued at **Høvik** on **2017-10-21**

DNV GL local station:
China South CMC/ SIO

Approval Engineer:
Piotr Orzechowski



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

"BJMB15(V) type B-15 Class Service door"

a single leaf hinged door with door blade composed of 0.55 mm thick galvanized steel sheets on both sides of an insulation core with 39 mm thick rockwool type "Marine Rockwool Slab" produced by Rockwool Firesafe Insulation Co., Ltd. with density 120 kg/m³. The steel sheets are glued to the rock wool with adhesive.

The U-profile with internal dimensions 20 x 37 x 20, 1.2 mm thick galvanized steel sheet is fitted around the insulation.

The door leaf is fixed to the L63 x 63 x 6 mm frame frame with piano hinge and equipped with CJ type removable lock device.

The door frame is connected to the bulkhead with 3.2 x 8 mm rivets with maximum spacing 350 mm.

Total door leaf thickness: 40 mm

For further details see test report and drawing listed under Type Examination documentation.

Application/Limitation

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

Maximum size of each door leaf: 633 x 1224 mm (Width x Height)

Maximum clear opening: 610 x 1200 mm (Width x Height)

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. FT17042 dated 17 March 2017 from "FEFTC" Far East Fire Testing Centre, China.

Drawing no Q262HN104-00SY Rev. C dated 30 January 2017 from manufacturer.

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 of manufacturer and address, type designation, fire-technical rating, the MED Mark of Conformity and USCG approval number if applicable.