DNV·GL

Certificate No:
MEDB00001XN

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)
Marine BJMB15(III) Type Services Door Class B-15 (800 x 1950 mm)

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

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/and IMO 2010 FTP Code

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

This Certificate is valid until **2022-01-09**.

Issued at **Hamburg** on **2017-01-10**

DNV GL local station:
China South CMC/ SIO

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description

"Marine BJMB15(III)" Type Services Door [clear opening: 800 x 1950 mm (width x height)] tested in a B-15 bulkhead. Door leaf consists of rock wool (density: 150 kg/m³) covered with 0.6 mm galvanized steel plates. Door leaf is fixed in a door frame with one connecting-rod lock at the left side and a hinge at the other side which were exposed to the fire; acc. to figures 1 to 8, pages 5 to 12 of test report.

Total thickness: 25mm.

The door frame is constructed of bended 1.2 mm thick cold-rolled steel plate fitted in the opening of the bulkhead with adapters and U type sockets. The 8921 type rubber strip (manufacturer by: Shanghai Jiar Fu Decoration Material Company Ltd.) is provided around exposed side of door frame.

Insulation:
Marine Rock wool plate manufactured by Rockwool Firesafe Insulation (Guang Zhou)Co.Ltd.
Thickness: 25mm

For further details, see the test report referred to under Type Examination documentation below.

Application/Limitation

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

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.

Maximum size of door leaf: 833 x 1982 mm (W x H).

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

Type Examination documentation

Test Report no.: FT11274 dated 2011-11-16 issued by Far East Fire Testing Centre, Shanghai, China.

Drawing No. Q262HN86-00SY (9 pages) dated 7 September 2011 from manufacturer.

Tests carried out

Tested according to IMO Res. MSC.61(67)–(FTP Code), Annex 1, Part 3 and in compliance IMO 2010 FTP Code Ch. 8

Marking of product

The product is to be marked with name and address of the manufacturer, type designation, fire technical rating and MED Mark of Conformity and USCG approval number if applicable (see first page).