

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008N1

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 AS under the authority of the Government of Norway.

This is to certify:

that the Fire Doors

with type designation(s)
YMB15C Type B-15 Class sliding 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) 2023/1667**,

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 **2029-08-06**.

Issued at **Høvik** on **2024-08-07**

DNV local unit:
China South NB

Approval Engineer:
Marcin Tobiasz



Notified Body
No.: **0575**

for **DNV AS**

Mydlak-Röder, Christine
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, and amended by Decision No 1/2023 dated August 21st, 2023.



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

“YMB15C Type B-15 Class sliding doors”

is a single leaf sliding door with a single handle opening. The door leaf is constructed of an insulating core made of 40 mm thick rockwool (120 kg/m³ density manufactured by Rockwool Firesafe Insulation (Guangdong)), covered from both sides with 0.55 mm thick galvanized steel plates. The mineral wool is fixed to steel sheets by means of an adhesive of “YB2002X/YB8001” type. The door leaf is fitted with a lock and can incorporate an observation window 420 mm x 420 mm (w x h) with nominal thickness 26 mm (composed of 5 mm tempered glass, 16 mm fireproof solution and 5 mm tempered glass) manufactured by Huanan Building Materials (Shenzhen), installed in the upper part of the door leaf.

The door leaf is covered around with 0.8 mm thick galvanized steel plate and has a 1.2 mm thick inner framework fitted around the leaf on the inner side of four corners. A steel stop bar of 1.2 mm thickness is installed on longitudinal end face of the door leaf opposite to the door lock. Roller assemblies are fitted in the upper part of the door leaf which are fixed to the support on the upper frame by screws.

Total thickness of door leaf is 40 mm.

The four-sided door frame is 1.2 mm thick and can be screwed to the bulkhead. The upper and lower door frame are equipped with a guide rail assembly. The lower part includes a restrict block and an expansion strip. There are 2 mm thick steel supports installed on the upper frame by screws.

For further details, see the test report and drawing mentioned under Type Examination documentation below.

Application/Limitation

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

Maximum clear door opening: 1050 mm x 2100 mm (W x H)
Maximum door leaf size: 1222 mm x 2105 mm (W x H)
Maximum clear opening of window: 420 mm x 420 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 product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Test report no. FT23262 dated 11 August 2023 from Far East Fire Testing Centre (FEFTC), Shanghai, China
Test report no. FT23267 dated 08 August 2023 from Far East Fire Testing Centre (FEFTC), Shanghai, China

Drawing no. Q262HN136-00SY date 15 January 2023 from the 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, the 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.