

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000091V

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV 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)
HL-BJXM-A

issued to

Jiangsu Hailu Technology Incorporated Corporation
JIANGYIN, JIANGSU, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2024/1975,
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

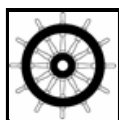
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-11-26**.

Issued at **Hamburg** on **2024-11-27**

DNV local unit:
Jiangyin NB & CMC

Approval Engineer:
Meike Grabau



Notified Body
No.: **0098**

for **DNV SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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

"HL-BJXM-A"

is a class B-15 single-leaf bulkhead access door.

The access door consists of rock wool insulation sandwiched between two 0.5 mm galvanized steel plates by adhesive. The BSS type rock wool insulation is produced by Weihai Bosheng Advanced Material with 120 kg/m³ nominal density. The glue is a low flame-spread YB2002X/YB8001 type adhesive produced by Shanghai Ningrui Adhesives Science & Technology Development.

Total door leaf thickness: 30 mm.

The door leaf is installed into the frame by a chain hinge (provided by the manufacturer) at one side. At the other side the door leaf is fitted with a C-J type detachable lock with connecting rods (provided by Nantong Hujiang Lock), in mid height of the door leaf.

The lengthways door frame is made up of 0.5 mm thick steel plate and 25 mm BSS type rock wool plate, fixed to the bulkhead by wedges. Fire-proof strips 20 mm x 2 mm are provided at the perimeter of the door frame.

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

Application/Limitation

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

Maximum door leaf size: 539 mm x 1844 mm (W x H)

Maximum clear door opening: 500 mm x 1800 mm (W x H)

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the MED 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. FT24202 dated 05 June 2024 from Far East Fire Testing Centre, Shanghai, China.

Tests carried out

Tested according to IMO 2010 FTP Code Annex 1, 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).