

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000093D

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)
HS-JXM type class "B-15" bulkhead access door

issued to

Jiangyin Haisheng Marine Outfitting & Decoraton Co., Ltd.
Jiangyin, 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

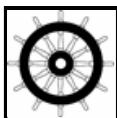
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-09-12**.

Issued at **Hamburg** on **2024-09-13**

DNV local unit:
Jiangyin NB & CMC

Approval Engineer:
Joanna Kowalczuk



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"HS-JXM type class "B-15" bulkhead access door"

Single leafed hinged bulkhead access door composed of a 29 mm KMD-Y type rock wool (manufactured by Tianchang KMD New Insulation Materials, density 120 kg/m³) bonded with YB2002X-8# adhesive (manufactured by Shanghai Ningrui Adhesives Science & Technology Development) to 0.5 mm galvanized steel sheet on both sides.

The door leaf is equipped with a door lock C-J type and is connected to frame by row of stainless steel hinges at one of its vertical edges.

Total door thickness is 30 mm.

The frame is composed of 1.5 mm thick steel and is welded or bolted to the bulkhead by bolt M4x16 spaced maximum 300 mm apart.

For details, see test report and drawings listed under Type Examination documentation below.

Application/Limitation

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

Max clear opening: 600 mm x 1800 mm (W x H)

Max size of door blade: 623 mm x 1824 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. FT22231 dated 28 November 2022 from Far East Fire Testing Centre, Shanghai, China.

Drawings No. HS-JXM (6 sheets) dated 26 September 2022 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, MED Mark of Conformity and USCG approval number if applicable (see first page).