EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BY3
Revision no.:
0

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)
Hatches (integrated / with frame)

issued to
Rheinhold & Mahla GmbH
Schellerdamm 22-24 21079 Hamburg Germany,

is found to comply with the Implementing Regulation **(EU) 2025/1533** for
Item no. **MED/3.16** (Row **1 of 1**)
according to the following requirements:
SOLAS 74 Reg. II-2/9, IMO MSC.1/Circ.1511

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

Date of issue: **2026-03-09**

Expiry date: **2028-01-23**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Meike Grabau

Notified Body
no.: **0098**

for **DNV SE**

Christine Mydlak-Röder
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, and amended by Decision No 1/2023 dated May 26th, 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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

Product description

"Hatches (integrated / with frame)"
are single leaf class B-0 bulkhead fire doors, made of 24 mm thick mineral wool insulation of type ABM-SR 200 produced by Shanghai ABM Rock Wool (nominal density of 200 kg/m³) mounted between 0.6 mm steel sheets, covering all surfaces.

Total thickness: 25 mm

Inside the door openings an intumescent strip of 2 mm thickness is provided. Both doors are mounted into the bulkhead with a piano hinge fixed with blind rivets. A U-profile is fixed inside the bulkhead panels groove.

Integrated hatch:
A T-shaped profile at three sides of the opening is preventing the integrated fire door from opening to the inside.

Hatch with frame:
The frame is composed of a steel Z-profile with the dimensions 15.5 mm x 31 mm x 30 mm x 1.5 mm and fixed to the bulkhead by screws.

Both fire doors are provided with two turning locks located 250 mm from the top and bottom of the hatch.

For further details refer to the documentation listed below under "Type Examination documentation".

Application/Limitation

Approved for use as an integrated part of fire retarding division of class B-0.

Integrated hatch:
Maximum door leaf size: 1023 mm x 1870 mm (W x H)
Maximum clear door opening: 1000 mm x 1837 mm (W x H)

Hatch with frame:
Maximum door leaf size: 1023 mm x 1870 mm (W x H)
Maximum clear door opening: 1000 mm x 1850 mm (W x H)

Hatch with frame:
The door has been successfully tested for an extended test period of 36 minutes.
A fire door of marginally larger dimensions than a fire-tested fire door may be individually assessed and accepted by Flag Administration (or Recognized Organization acting on its behalf) for a specific project with the same classification, provided documented compliance with IMO MSC.1/Circ.1319.

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

Type Examination documentation

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 Mark of Conformity and USCG Approval Number if applicable (see first page).