EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BXZ
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)
B-15 Sliding Door

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: **2026-03-30**

Expiry date: **2028-08-29**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"B-15 Sliding Door"
is a single-leaf sliding door consisting of 37.6 mm rock wool of type ABM-SR, produced by Shanghai Advanced Building Materials Mineral Wool Factory (nominal density 150 kg/m³) and 0.7 mm steel plates on both sides. The mineral wool is fixed to the steel sheets with adhesive of approved type.

Total door leaf thickness: 39 mm.

The door leaf is fitted with two rollers of type BRT-160 at both sides of the upper part of the door leaf. The rollers are connected to a slide rail of type t-240 with dimensions (L x W x H): 2800 mm x 47 mm x 58 mm. Both rollers and slide rail are produced by Beijing Taierfu Science & Technology Development Co., Ltd. A bearing is fitted at one side in the bottom half of the door leaf.

The door frame is made of 1.5 mm thick steel plates and is either welded or bolted (M5) to the bulkhead spaced maximum 500 mm apart.

The door leaf may be fitted with a rectangular window constructed from 30 mm fireproof glass (6 mm toughened glass + 18 mm fire solution + 6 mm toughened glass) produced by Qinghuangdao Xingyang Special Glass Co., Ltd. Alternatively, the door may be fitted with 23 mm thick glass of type Pyrostop 60-10 GII (60–101) from Pilkington (rectangular or circular).

For further details, 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: 2480 mm x 2336 mm (W x H)
Maximum clear door opening: 2400 mm x 2300 mm (W x H)
Maximum clear glazing unit view (rectangular window): 400 mm x 400 mm (W x H)
Maximum clear glazing unit view (circular window): Ø400 mm

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.

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. Doors with a window area exceeding 645 cm² are not part of this certificate and need direct USCG approval.

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).