EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000095N

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)
B-15 class single leaf sliding door FMD030

issued to
Ferramare OÜ
Lehola küla, Harjumaa, Estonia

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 **2029-09-16**.

Issued at **Høvik** on **2024-09-17**

DNV local unit:
Tallinn CMC

Approval Engineer:
Meike Grabau

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"B-15 class single leaf sliding door, type FMD030"
is a single leaf galvanized steel sliding door with an aluminium profile sliding rail.

The door leaf consists of mineral wool insulation, covered by 1.0 mm thick galvanized steel plates on both sides. The SeaRox SL445 LAM mineral wool insulation is produced by Rockwool A/S Denmark with 150 kg/m³ nominal density. The insulation is glued to the steel sheets by means of approved adhesive. The door leaf is fitted with a stainless steel recessed handle.

The door leaf edges are covered with 0.8 mm thick galvanized steel plate. The aluminium profile sliding rail ES410 / ES200 HD, produced by BLC Turva OY, is fitted with a hanger bracket at the upper part of the door leaf. The steel/brass Mantion 1089 bottom guide is produced by Man Baltic OÜ and fitted at the lower part of the door leaf.

Total door leaf thickness: 40 mm.

The door supporting frame made of 20 mm x 20 mm x 2 mm and 20 mm x 50 mm x 2 mm steel tubes is fixed to the bulkhead according to the installation instructions JUHEND 21, Version 1.0, dated 1 July 2024.

For further details, see documents 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:	1200 mm x 2300 mm (W x H)
Maximum door leaf size:	1282 mm x 2344 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. 977-24TMLU-IMO dated 10 May 2024 from TÜV Eesti OÜ, Maardu, Estonia.
Test report no. 983-24TMLU-IMO dated 7 June 2024 from TÜV Eesti OÜ, Maardu, Estonia.

Drawing no. FMD030-01-00/-01 dated 6 June 2024 from the manufacturer.
Drawing no. FMD030-02-00/-02 dated 6 June 2024 from the manufacturer.

Installation Instructions JUHEND 21, Version 1.0, dated 1. July 2024 from Ferramare OÜ.

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).