EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000B1A
Revision no.:
0

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)
AM B-15 Fire Door (LU) Double leaf

issued to
Antti-Teollisuus Oy
Kanunki, **Finland**

is found to comply with the Implementing Regulation **(EU) 2024/1975** for
Item no. **MED/3.16** (Row **1 of 1**)
according to the following requirements:
IMO MSC.1/Circ.1511, SOLAS 74 Reg. II-2/9.

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

Date of issue: **2025-06-13**

Expiry date: **2030-06-12**

DNV local unit:
Finland CMC

Approval Engineer:
Marta Kropiwnicka

Notified Body
no.: **0575**

for **DNV AS**

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 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.

NORWEGIAN ACCREDITATION PROD 019

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

Product description

"AM B-15 Fire Door (LU) Double leaf"
is a double door leaf composed of 40 mm thick mineral wool slabs Isover Ultimate U SeaProtect Slab 96 (density 96 kg/m³, manufactured by Saint-Gobain Isover G+H AG), covered from both sides with 0.7 mm thick perforated steel sheets. The insulation material inside the door leaf is fixed by the adhesive.

Each door leaf is attached to the door frame by three hinges.

The frame is composed of 1 mm thick steel and either welded or bolted to the bulkhead with screws 4.8 x 19 mm, six per vertical edge, spaced maximum 438.5 mm apart.

The top panel of the frame is 50 mm thick, composed of 48 mm thick mineral wool Isover Ultimate U Sea Protect Slab 66 (density 66kg/m³, manufactured by Saint-Gobain Isover G+H AG), covered from both sides with 1 mm thick steel sheets.

The door leaf may be fitted with a mechanical lock Trioving 5316 type, installed 1102 mm above the bottom of the door leaf, manufactured by Assa Abloy.

Total door leaf thickness: 41.5 mm

For further details refer to the test reports 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: 1014 mm x 2112 mm (W x H)
Maximum clear door opening: 2000 mm x 2100 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 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 MED Mark of Conformity and USCG Approval Number if applicable (see first page).