DNV·GL

Certificate No:
**MEDB000071A**

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

## This is to certify:

**That the Fire Doors**

with type designation(s)
**B-15 Fire Door dB(LE+) Single Leaf**

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

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
**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 **2025-10-26**.
Issued at **Høvik** on **2020-10-27**

DNV GL local station:
**Finland NB**

Approval Engineer:
**Helge Bjørnarå**

Notified Body
No.: **0575**

for **DNV GL AS**

**Roald Vårheim**
**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 1/2019 dated February 22nd, 2019.

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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



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## Product description

"B-15 Fire Door dB(LE+) Single Leaf",
is a single leaf hinged door composed of 0.7 mm perforated steel sheets and insulation (for details regarding type, thickness, density and manufacturer see drawing No. D927356). The insulation is glued to the steel sheets by means of adhesive. The door leaf is fixed to the door frame by three hinges, of which the top one is e-hinge bringing cable from frame to door leaf.

Total door leaf thickness is 49.5 mm.

The door frame is composed of four parts (two vertical profiles, sill plate and top panel) welded together. The vertical profiles are made of 1.5 mm thick steel without insulation inside. The sill is made of 1.5 mm uninsulated U-profile with a 1.5 mm cover plate. The top panel is made of 1.5 mm steel sheets and filled with insulation (for details see drawing No. D927358). Door frame thickness is 58 mm. The door frame may be welded or screwed (Ø4.8 mm) to the bulkhead panels.

Door frame may be fitted with lifting holes in the upper part, however this certificate does not cover the lifting arrangement nor lifting procedure.

The door may be fitted with:
- lock module (lock cylinder and RFID reader)
- camera module with door viewer and interface plate with electronics module

For further details, see drawings listed under Type Examination documentation.

## Application/Limitation

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

| | |
|---|---|
| Maximum door leaf size: | 1034 x 2110 mm (W x H). |
| Maximum clear door opening: | 1000 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.

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.

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

## Type Examination documentation

Test report No. EUFI29-20002608-T1 dated 2 July 2020 from Eurofins, Espoo, Finland.

Drawing No. D927356 Rev. 0 dated 20 May 2020 from manufacturer.
Drawing No. D927358 Rev. 0 dated 20 May 2020 from manufacturer.
Drawing No. D927359 Rev. 0 dated 20 May 2020 from manufacturer.

## Tests carried out

Tested according to IMO 2010 FTP Code part 3.

The door has been successfully tested for extended test period of 18 minutes (insulation) and 36 minutes (integrity).

## 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).