

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00002TM
Revision No:
1

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 Hinged Door, Type WMD B-15 Single Leaf II

Issued to

Antti-Teollisuus Oy
Kanunki, Finland

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2021/1158,
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

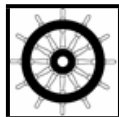
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-05-23**.

Issued at **Høvik** on **2022-05-24**

DNV local station:
Finland NB

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0575**



for **DNV AS**

Digitally Signed By:
Øyvind Hoff
Location: DNV Høvik, Norway
on behalf of

Sverre Olav Bergli
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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 Hinged Door, Type WMD B-15 Single leaf II"

Single leaf hinged door consisting of a 38 mm thick rock wool insulation core of type 'Paroc Marine Slab 160' with nominal density of 160 kg/m³ (manufactured by Paroc), with a 0.7 mm perforated steel sheet on each side. The steel sheet is fixed to the insulation with an adhesive.

Total thickness of door leaf is 40 mm.

The door frame is made of 1 mm thick steel and fixed to the bulkhead with screws. The door leaf is fitted with three hinges.

Over the door leaf there is a top panel made of a 45 mm thick insulation core of type 'Paroc Slab 220' with nominal density of 220 kg/m³ with a 1 mm thick steel sheet on both sides. The top panel height is 270 mm.

The door leaf may be fitted with:

- A 10 mm thick circular window with type designation 'Pyrodur 30-201' manufactured by Pilkington in the upper part of the door leaf.
- A ventilation grille in the lower part of the door leaf.

For further details, see drawings mentioned under Type Examination documentation below.

Application/Limitation

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

Max. size of clear opening door leaf:	950 mm x 2050 mm (W x H).
Max. size of door leaf:	983 mm x 2065 mm (W x H).
Max. size of clear opening of window:	Ø 350 mm.
Max. size of clear opening ventilation grille:	475 mm x 210 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 product is to be provided with its own manual for installation, use and maintenance.

Type Examination documentation

Test report no. VTT-S-00640-12 dated 28 February 2012 from VTT Expert Services Ltd, Espoo, Finland.

Drawing No. D77563 dated 5 May 2011 from manufacturer.
Drawing No. D77828 dated 4 July 2011 from manufacturer.
Drawing No. D77833-D77564 dated 28 June 2012 from manufacturer.

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, USCG Approval number if applicable (see page 1).

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. For larger windows, USCG shall be contacted.