

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000144
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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
WMD B-30 dB(DL) Single Leaf

Issued to
Antti-Teollisuus Oy
Kanunki, Finland

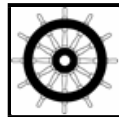
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170,**
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511, IMO MSC.1/Circ.1319

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

This Certificate is valid until **2025-11-30.**

Issued at **Høvik** on **2020-12-01**

DNV GL local station:
Finland NB



for **DNV GL AS**

Approval Engineer:
Helge Bjørnarå

Notified Body
No.: **0575**

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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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-003189-3**
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Product description

“WMD B-30 dB(DL) Single Leaf”

A door combination comprised of two doors mounted in series in separate frames where the door on the unexposed side opens away from the fire and the door on the exposed side opens towards the fire. Both door leaves are constructed from insulation consisting of 2 times 15 mm PAROC Slab 220 and 30 mm PAROC Slab 160 and faced with 0.7 mm steel sheets on each side. Gap between the two door leaves is 37 mm. The doors have three hinges each.

The thickness of one door leaf is 32 mm.

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

Application/Limitation

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

Maximum door leaf size: 824 x 2065 mm (W x H).
Maximum clear door opening: 800 x 2050 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 product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Test report no. VTT-S-1673-06 dated 27 April 2006 from VTT, Espoo, Finland.

Drawing No. D1043 dated 30 January 2006 from manufacturer.
Drawing No. D61816 dated 17 January 2006 from manufacturer.
Drawing No. D61826 dated 17 January 2006 from manufacturer.

Tests carried out

Tested according to IMO FTPC Part 3 and in compliance with IMO 2010 FTP Code Ch.8.

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).