

# 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)  
**WMD B-15 dB(V) Single Leaf**

Issued to

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

is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2018/773**,  
**item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511**

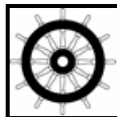
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-03-14**.

Issued at **Høvik** on **2019-03-15**

DNV GL local station:  
**NPS Station for non-Maritime**

Approval Engineer:  
**Tessa Biever**



Notified Body  
No.: **0575**

for **DNV GL AS**

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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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-001908-25**  
Certificate No: **MEDB000052V**

## **Product description**

“WMD B-15 Db(V) Single Leaf”

single leaf hinged door composed of 0.7 mm steel sheet on each side of an insulating core of 2 layers of 10 mm thick Paroc Slab 220 (manufactured by Paroc Oy, 220 kg/m<sup>3</sup>) and in the centre 28 mm Paroc Slab 160 (manufactured by Paroc Oy, 160 kg/m<sup>3</sup>). The adhesive Kestopur PI 5-10 is used to glue the insulation material to the steel sheet.

The door is fitted with three hinges and ventilation louvre.

Total thickness of door blade 50 mm.

The door frame is made out of 1.5 mm steel and it is screwed to the bulkhead with steel profiles made out of 1.0 mm steel.

For further details see test report and drawing listed under Type examination documentation below.

## **Application/Limitation**

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

Max clear opening: 900 x 2050 mm (W x H).  
Door leaf size: 933 mm x 2064 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.: RTE 2763/04, dated 28 September 2004 from VTT Technical Research Centre, Finland.

## **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).