

# 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 DdB(L) Double Leaf**

Issued to  
**ANTTI-TEOLLISUUS OY**  
**Kanunki, Finland**

is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2017/306**,  
**item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511**

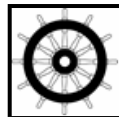
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-01-11**.

Issued at **Høvik** on **2018-01-12**

DNV GL local station:  
**Turku**

Approval Engineer:  
**Synnøve Bolstad Eri**



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-001908-22**  
Certificate No: **MEDB00003RR**

## **Product description**

"WMD B-15 DdB(L) Double Leaf"

double leaf hinged door composed of 0.75 mm thick treated steel sheets on each side of an insulating core consisting of 2 x 15 mm thick Paroc Marine Slab 220 (241 kg/m<sup>3</sup>) with strips of 18 mm thick Paroc Marine Slab 160 (147 kg/m<sup>3</sup>) in between. Steel sheets and insulation are glued together with glue type Kestopur PL 5-10.

The door is fitted with three hinges on each door leaf.

Total thickness of each door leaf is 50 mm.

For further details, see referred drawings 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: 1450 x 2000 mm (W x H)  
Max size of each door leaf: 737 x 2007 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 and use.

## **Type Examination documentation**

Test Report No. VTT-S-266-08 dated 8 January 2008 from VTT Technical Research Centre, Finland.

Drawing Nos. D71486-493-524A dated 8.11.2007, D71493A & D71491A – both dated 6.11.2007, D71524A & D71523A – both dated 7.11.2007. All from Antti-Teollisuus Oy.

## **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, MED Mark of Conformity and USCG approval number if applicable (see first page).