DNV·GL

Certificate No:
**MEDB00002TM**

# 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 the Kingdom 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) 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 **2022-05-25**.

Issued at **Høvik** on **2017-05-26**

DNV GL local station:
**Turku**

Approval Engineer:
**Ginevra Giustiniani**

Notified Body
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

NORWEGIAN ACCREDITATION PROD 019



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## Product description

"B-15 Hinged Door, Type WMD B-15 Single leaf II"
Single leafed door consisting of 38 mm rock wool, of type Paroc Marine Slab 160 (164 kg/m$^3$), with 0.7 mm perforated steel on each side. The steel is glued to the insulation with an adhesive. Thickness of door leaf is 40 mm. The door frame is made of 1 mm steel, and fixed to the bulkhead with screws. The door is fitted with three hinges.

Over the door leaf there is a top panel made of 45 mm Paroc Slab 220 with 1 mm steel sheets of both sides. Panel height is 270 mm.

The door may be fitted with a 10 mm thick circular window with type designation Pyrodur 30-201.

The door may be fitted with a ventilation grille in the lower part of the door.

The door may be fitted with an integrated door closer as specified in the drawing listed under Type Examination documentation below.

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: | 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 |

The insulation materials 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.

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 nos.:
D77563 dated 5 May 2011,
D77828 dated 4 July 2011,
D77833-D77564 dated 28 June 2012,
D79361 dated 19 April 2012 (integrated door closer) all from the 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.