

# 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)  
**Puerta Navaliber 4NB-15**

Issued to

**NAVALIBER, S.L.**  
**Gondomar, Spain**

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**

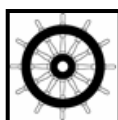
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-05-08**.

Issued at **Høvik** on **2018-05-09**

DNV GL local station:  
**Vigo**

Approval Engineer:  
**Tessa Biever**



Notified Body  
No.: **0575**

for **DNV GL AS**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



## Product description

"Puerta Navaliber 4NB-15"

Single leafed door made of 43 mm rock wool covered with a 0.8 mm steel sheet on both sides. The insulation is made of type "Paroc Marine Slab 100-150" (145 kg/m<sup>3</sup>) all around and horizontally in the middle of the door leaf and with type "Paroc Marine Slab 22-250" (70 kg/m<sup>3</sup>) filling the gaps. The rock wool is fastened to the steel with an adhesive. The door is fitted with four hinges. The door frame is made of 1.2 mm steel, and is fastened to the bulkhead with six screws on each jamb and three screws on each lintel.

The door may be fitted with:

- a window of type "AGC Pyrobel 16 EG" 17 mm thick,
- a kick-out panel of max. size 480 mm x 532 mm (L x W),
- a ventilation grille of max. size 206 mm x 388 mm (L x W) in the bottom half of the door leaf,
- a concealed door closer.

Total door leaf thickness is 44 mm.

For further details see drawing mentioned 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: 2150 mm x 1046 mm (H x W)

Max. size of door leaf: 2158 mm x 1070 mm (H x W)

Max. clear opening of window: 500 mm x 400 mm (H x W)

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. 2596T12 dated 1 February 2013 and 2596T12 MOD.1 dated 10 April 2013 both from AFITI LICO, Toledo, Spain.

Drawing No. NV008.006.PT04.05.T dated 2 October 2012 from the manufacturer.

## Tests carried out

Tested in accordance with 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 and USCG Approval Number if applicable (see page 1).