DNV·GL

Certificate No:
MEDB00004J5

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 "B" Class divisions, fire integrity

with type designation(s)
B-15 HNRS Tongue and Groove Double 24 mm panel

Issued to
NAVALIBER, S.L.
Gondomar, Spain

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2.3.4 & II-2/9 and IMO 2010 FTP Code

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

This Certificate is valid until **2023-11-20**.

Issued at **Høvik** on **2018-11-21**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

NORWEGIAN ACCREDITATION PROD 019

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Product description

'B-15 High noise reduction system (HNRS) tongue and groove double 24 mm panel'
Bulkhead composed of two jointed sandwich panels. Each sandwich panel is composed of a core of 20 mm mineral wool 'ISOVER-BX-SPINEX 683-200 DRA NAVAL (manufactured by ISOVER – Saint Gobain with density 195 kg/m^3) with a 0.7 mm galvanized steel sheet on each side. The galvanized steel sheets are glued to the core with an application rate of 200 g/m^2.

Between the two sandwich panels a layer of 40 mm thickness ISOVER PI-156 DRA NAVAL (manufactured by ISOVER – Saint Gobain with density 22 kg/m^3) is installed.

The joints of the panels are tongue and-groove and laminated on both sides. The two sandwich panels are joined by a 2 mm thick galvanized steel perimetral profile.

Sandwich panel thickness: 24 mm
Total bulkhead thickness: 82 mm

At the top edge, bottem edge and both sides of the panels of the panel perimeter profiles (2 mm thick – galvanized steel) are installed.

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

Application/Limitation

Approved for use as a vertical fire retarding division of class B-15.

Maximum panel size: 573 mm x 2500 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. 3353T17 dated 21st December 2017 from AFITI, Centre for Firetesting and Research, Madrid, Spain.

Drawing No. 2017.PN09.FT Rev.A dated 2017-11-16 (5 sheets)

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG approval number if applicable (see first page).