DNV·GL

Certificate No:
MEDB00006GA

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)
A/B light weight ceiling CB1502

Issued to
PANELFA, S.L.
Mos-Puxeiros, Pontevedra, Spain

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397,**
item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2/3.4 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1581

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

This Certificate is valid until **2025-04-21**.
Issued at **Høvik** on **2020-04-22**

DNV GL local station:
NB/CMC Team West

Approval Engineer:
Synnøve Bolstad Eri

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, and amended by Decision No 1/2019 dated February 22nd, 2019.

NORWEGIAN ACCREDITATION PROD 019

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

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Product description

"A/B light weight ceiling CB1502"
composed of ceiling panels suspended below the structural deck. The panels consist of 40 mm mineral wool "PBE board M12" with density 131 kg/m³ (manufactured by Knauf insulation d.o.o.) faced on exposed side and edges with 0.6 mm galvanized steel sheets. The insulation is attached to the steel sheets with glue "SYNTHEL PE 3015". The panels are fitted into each other at longest edges of panels with tongue and groove joint and attached with glue "ODICE PYROCOL A".

Panel thickness: 40 mm.

Panels are attached to bulkhead by outline Z-shaped steel profiles along the longest edge of panels, fastened by means of rivets (Ø3x12 mm) from lower part every 300 mm, and outline L-shaped steel profiles along the short end of panels, fastened by two rivets (Ø3x12 mm) per side at 35 mm from the extremes of panel. All profiles are constructed of 1.2 mm galvanized steel.

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

Application/Limitation

Approved for use as an integrated part of a horizontal, continuous fire retarding division of class B-15 and when the ceiling is located a minimum distance of 210 mm from the structural steel deck, the whole construction may be regarded as a fire retarding division of class A-30.

Max. panel size: 300 mm x 3000 mm (W x L)
Max. distance between bulkheads (along panel direction): 3000 mm

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. 3980T20 dated 10 February 2020 from AFITI, Toledo, Spain.

Drawing no. FR-PE-04-06-01 (5 sheets) dated 22 January 2020 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3 and Part 3 Appendix 4.

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).