



Marine & Offshore

Certificate number: 62710/A0 MED

File number: AC1000/416/009

Item number: MED/3.11b

USCG Module B number: 164.110 / EC2690

This certificate is not valid when presented without the full attached schedule composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2021/1158 of 22 June 2021

This certificate is issued to:

ENSAR GEMI VE YAN SANAYI LTD STI.

Istanbul - TURKEY

for the type of product

"B" CLASS DIVISIONS, STRUCTURAL CEILINGS, FIRE INTEGRITY

B-15 Class Ceiling Panel, type "ETP/B-15"

Requirements:

SOLAS 74 convention as amended, Regulations II-2/9, II-2/3.4
IMO Res MSC.307(88) -(2010 FTP Code)-
IMO MSC/Circ.1120 and IMO MSC.1/Circ.1581

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 09 Nov 2026

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV ISTANBUL, on 09 Nov 2021,

Gurcan Yilmaz



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

B-15 Class Ceiling Panel, type "ETP/B-15"

The ceiling panels consist in a 50 mm thick mineral wool board type "**SeaRox SL 640**" (nominal density 130 kg/m³; manufactured by Rockwool International A/S) laid on a 0.6 mm thick steel sheet (=ceiling underside). The 0.6 mm thick steel sheet is bent around the longitudinal edges of the panels to form a tongue and groove joint connection between panels.

The transversal junction between rows of panels is made by means of steel T-profile (72x60x1.5 mm) fixed by 2 rivets at the end of each panel. The exposed flange of the joint profile is covered by a 0.75 mm thick steel cover profile "PD10".

The ceiling is suspended under the structural steel deck by steel U-profile hangers (25x54x1.5 mm), which are welded to the T-profile hanger lath at joint line.

Maximum length of panels: 2400 mm

Maximum width of panels: 300 mm

Total thickness of panels: 50.6 mm

Distance between ceiling and structural deck: 300 mm

2. DOCUMENTS AND DRAWINGS:

2.1 - As per the Manufacturer's drawings N° ETP/B-15 Rev.1 (7 sheets) dated 27/07/2021 and N° 1-14-3, N° 1-14-7, N° 1-14-8 and N° 1-15-10 all Rev.0 and dated 22/02/2011.

2.2 - Technical data sheet "Class B-15 Ceiling Panel" Rev.00 dated September 2020.

3. TEST REPORTS:

Test report N° 624886 dated 10/08/2021, as per IMO 2010 FTP Code Annex 1 Part 3, from TSE, Turkey.

4. APPLICATION / LIMITATION:

4.1 - The fitting aboard should be the same as used for the test.

4.2 - The following components shall comply with the requirements of MED 2014/90/EU, as amended, and be wheelmarked:

- the insulating material "**SeaRox SL 640**",
- any added finish surface material(s).

5. PRODUCTION SURVEY REQUIREMENTS:

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

6. MARKING OF PRODUCT:

6.1 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004 amended by Decision 1/2018 of 18 February 2019, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS:

It is **ENSAR GEMI VE YAN SANAYI LTD STI.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

*** END OF CERTIFICATE ***