

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00004Y3
Revision No:
2

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 C class Divisions

with type designation(s)

Weiss Hellas C Class Ceiling Metal Panels & Metal Tiles & Metal Flat Ceiling Beams

Issued to

WEISS HELLAS - INTERNA S.A.
Markopoulo Attikis, Greece

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2020/1170,**

item No. MED/3.64. SOLAS 74 as amended, Regulation II-2/3.10,3.33 & 2/9 and IMO 2010 FTP Code and IMO Res. MSC/Circ.1120

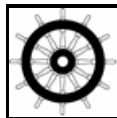
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-01-24.**

Issued at **Høvik** on **2020-11-20**

DNV GL local station:
Piraeus

Approval Engineer:
Helge Bjørnarå



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-001653-6**
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Product description

"Weiss Hellas C Class Ceiling Metal Panels & Metal Tiles & Metal Flat Ceiling Beams", composed of steel or aluminium panels, perforated or un-perforated, of thickness of approximately 0.5-0.7 mm.

The panels may be fitted with combustible material as follows:

- Insulation mineral wool in plastic bag (KIMMCO Fiberglass insulation (12-64 kg/m³) and HDPE 30/35 FR Black (1.35-1.45 kg/m³) total thickness 45 mm) or without insulation.
- Laminate named "Dobel Film Laminated Coil" thickness 0.15 mm, with insulation mineral wool in plastic bag (KIMMCO Fiberglass insulation (12-64 kg/m³) and HDPE 30/35 FR Black (1.35-1.45 kg/m³) total thickness 45 mm or without insulation.
- Black acoustic inlay (Soundtex C1986 SP WP thickness 0.27 mm) or without.
- Laminate named "Dobel Film Laminated Coil" thickness 0.15 mm, with black acoustic inlay (Soundtex C1986 SP WP thickness 0.27 mm) or without.

For details of construction, please consult drawings mentioned under Type Examination documentation.

Application/Limitation

Approved as C class ceiling.

The mineral wool insulation has to be approved as non-combustible material according to the Marine Equipment Directive and bear the Mark of Conformity.

Additional surface materials have to be approved for low flame-spread characteristics and smoke and toxicity (IMO 2010 FTP Code, Annex 1, Parts 2 and 5). Total volume of combustible material shall satisfy SOLAS Chapter II-2, Reg 5.3.2.3.

The product satisfies the requirement for maximum calorific value (ref. SOLAS Chapter II-2, Reg 5.3.2.2) without further testing.

Each product is to be supplied with its manual for installation and maintenance.

Type Examination documentation

Test report No. PF12972 dated 30 October 2008 from DBI, Hvidovre, Denmark.

Test report No. 369474 dated 14 February 2020 from Istituto Giordano, Getteo, Italy.

Test report No. PFB10401C dated 9 July 2020 from DBI, Hvidovre, Denmark.

Drawing for "Flat Ceiling Beam", Rev. B, dated 05 October 2014 (1 drawing).

Drawing for "Strips Module 100-200-300", Rev. E, dated 4 August 2020 (2 drawings).

Drawing for "Clip-in Tile", Rev. E, dated 4 August 2020 (2 drawings).

Tests carried out

Tested according to IMO FTP Code Part 5 and in compliance with IMO 2010 FTP Code Ch. 8 and Annex 2, item 1, 2.2 and 2.3.

Marking of product

The product is to be marked with name and address of the manufacturer, type designation, fire technical rating and MED Mark of Conformity.