DNV·GL

Certificate No:
MEDB00006HY

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the "B" Class divisions, fire integrity

with type designation(s)
Ceiling Class B-15 / Deck A-30

Issued to

Wenker GmbH & Co. KG
Ahaus, Germany

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 **2025-06-18**.

Issued at **Hamburg** on **2020-06-19**

DNV GL local station:
Essen

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

for **DNV GL SE**

Gerhard Aulbert
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 European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004, and amended by Decision No 1/2018 dated February 18th, 2019.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The **Ceiling Class B-15 / Deck A-30** is a suspended class B-15 ceiling.

The panels are made of 29 mm mineral wool "Conrock 15" (nominal density 150 kg/m³) covered with 0.6 mm steel sheets on the exposed side and 0.6 mm galvanized steel sheets on the unexposed side. The mineral wool is glued to the steel sheets with "ISOLEMFI 3104 Mono" from EMFI S.A.S. (used amount: 150 g/m²).

The panels are suspended from the steel deck by steel hangers, jointed to each other with tongue and groove and secured by screws.

When mounted below a steel structural deck with a minimum air gap of 300 mm it may be regarded as a Class A-30 deck.

For further details refer to the documentation listed below under "Type Examination documentation".

Application/Limitation

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

Maximum panel size: 3000 mm long x 900 mm wide x 30,2 mm thick.

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. 20649788-20 dated 27th February 2015 from DMT GmbH & Co. KG, Dortmund, Germany.

Tests carried out

Tested according to IMO Res. MSC.307(88) - 2010 FTP Code, Annex 1, Part 3.

Marking of product

The product or packing is to be marked with:

- name and address of manufacturer,
- type designation,
- fire technical rating and
- the MED Mark of Conformity (see page 1) and
- USCG approval number, if applicable.