

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)
SW25NN - Wall panel

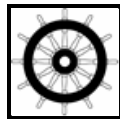
Issued to

**R & M International GmbH
Hamburg, 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 **2025-08-02.**Issued at **Hamburg** on **2020-08-03**DNV GL local station:
Hamburg CMCApproval Engineer:
Roland PriebeNotified 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-010862-1**
Certificate No: **MEDB00006XZ**

Product description

The **SW25NN - Wall panel** consists of mineral wool lamellae glued to 0.63 mm galv. steel sheets on both sides. The steel sheets are forming a groove (20 mm deep and 17 mm wide) along both longitudinal edges of the panel. To keep the steel sheets together connection U-profiles were placed between the mineral wool and the steel sheet at the bottom of the groove.

The panels were jointed together with a separate tongue (17 x 34 mm) fitting into the groove. The tongue consists of mineral wool with 0.7 x 7.0 x 34 x 7.0 mm steel sheets glued to the mineral wool on both sides.

The used mineral wool is SeaRox SL 445 with 150 kg/m³ from Rockwool International A/S, Denmark.

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

Application/Limitation

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

Maximum panel size: 2475 mm long x 650 mm wide x 25 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 instruction for installation.

Type Examination documentation

- Test report No. PG11736 dated 27th June 2007 from Danish Institute of Fire and Security Technology, Hvidovre, Denmark.
- Assessment report No. PHD10004A dated 7th April 2020 (symmetrical design) from Danish Institute of Fire and Security Technology, Hvidovre, Denmark.

Tests carried out

Tested according to IMO Res. MSC.61(67) – FTP Code Part 3 and in compliance with IMO Res. MSC.307(88) – 2010 FTP Code Ch.8

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, MED Mark of Conformity (see page 1) and USCG approval number, if applicable.

USCG Approval Category (Module B) number

This product has been assigned a U.S. Coast Guard Module B number 164.108/EC0098 to note type approval to Module B only as it pertains to obtaining US Coast Guard approval 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.