

# 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)  
**W50 - Wall panel without/with fixtures**

Issued to  
**R & M International GmbH  
Hamburg, Germany**

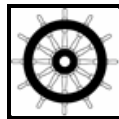
is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2019/1397,**  
**item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2/3.4 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1581**

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

This Certificate is valid until **2025-08-03.**

Issued at **Hamburg** on **2020-08-04**

DNV GL local station:  
**Magdeburg**



for **DNV GL SE**

Approval Engineer:  
**Roland Priebe**

Notified Body  
No.: **0098**

**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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: **344.1-010763-1**  
Certificate No: **MEDB00006VC**

## **Product description**

The **W50 - Wall panel without/with fixtures** consists of 49 mm rock wool glued to 0.5 mm galv. steel sheets on both sides. The steel sheets are forming a tongue and groove (24 mm deep) along the longitudinal edges of the panel. To keep the steel sheets together a connection U-profiles is placed between the steel sheets at the bottom of the groove.

The used mineral wool is Rockwool "ABM-SR" type (150 kg/m<sup>3</sup>) from Shanghai New Type Building Material Rock Wool Factory.

Alternatively, "Tizol Flot Lamella 150" or "SeaRox SL 445" with same density may be used – see assessment report No. 20151703.

The panels may be fitted with max. two cable ducts (20 mm deep x 40 mm wide) which are solely cut-outs in the mineral wool in the mid. panel in vertical direction. The cut-outs may be placed with a minimum distance of 30mm to each other.

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: 2500 mm long x 1100 mm wide x 50 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. FT09120 dated 25<sup>th</sup> June 2009 from Far East Fire Testing Centre, Shanghai, China.  
Assessment report No.20151703 dated 20<sup>th</sup> January 2016 from MPA Dresden, Dresden, Germany.

## **Tests carried out**

Tested according to IMO 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, 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 27<sup>th</sup>, 2004 and amended by Decision No.1/2018 dated February 18<sup>th</sup>, 2019.