

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000AVY
Revision no.:
0

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

This is to certify:

that the **A' & 'B' Class divisions fire integrity: - 'B' class division**

with type designation(s)
ED25K B-0 type class ceiling

issued to

R & M International GmbH
Hamburg, Germany

is found to comply with the Implementing Regulation (EU) 2024/1975 for
Item no. **MED/3.11b (Row 1 of 1)**
according to the following requirements:

SOLAS 74 Reg. II-2/3.4, SOLAS 74 Reg. II-2/9, IMO MSC.1/Circ.1581, IMO MSC/Circ.1120

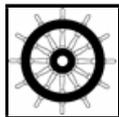
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-05-27**

Expiry date: **2030-05-26**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Marta Kropiwnicka



Notified Body
no.: **0098**



for **DNV SE**

Digitally Signed By:

Christine Mydlak-Röder

Christine Mydlak-Röder
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 1/2023 dated May 26th, 2023.

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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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 USD 300 000.

Product description

"ED25K type B-0 class ceiling"

composed of an insulation core made of 24.4 mm thick ABM-SR type rock wool (density 80 kg/m³, manufactured by Shanghai ABM Rock Wool) covered on one side with 0.6 mm thick galvanized steel sheet. The steel sheet may be either non-perforated or perforated with Ø3 mm holes in diagonal distance of c/c approx. 6 mm. The panels are suspended 350 mm below the structural deck using L63x63x5 mm carriers and hangers set.

The panels are connected to each other by evenly distributed punched tongues which are part of the carrier system. The C-shaped ending and the S-shaped beginning of each panel are pushed into the tongues forming a 25 mm wide shadow gap.

Total thickness of the ceiling panel: 25 mm

For further details please see documentation listed under Type Examination documentation.

Application/Limitation

Approved for use as a horizontal fire retarding division of class B-0.

When the ceiling panels are suspended minimum 350 mm below a structural steel deck, the whole construction is to be regarded as a fire resisting division of class A-15.

Max. panel size: 275 mm x 2400 mm (W x L)

Max. distance between hangers: 1200 mm

Max. distance from bulkhead to the first hanger: 600 mm

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 and maintenance.

Type Examination documentation

Document No.	Rev.	Title
AJFS2411013878F	R	Test report dated 10 December 2024 from SGS-CSTC Standards Technical Services, Anji Branch, China
ED25K_FIRETEST		Drawing dated 6 November 2024 from manufacturer

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).