

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BY4
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)
W25P (light weight) double wall

issued to

Rheinhold & Mahla GmbH
Schellerdamm 22-24 21079 Hamburg Germany,

is found to comply with the Implementing Regulation (EU) 2025/1533 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

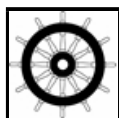
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-03-09**

Expiry date: **2029-05-23**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Meike Grabau



Notified Body
no.: **0098**

for **DNV SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"W25P (light weight) double wall"

is a class B-15 bulkhead, consisting of two identical rows of 25 mm panels with a 20 mm air gap in between. The panels were constructed with a tongue and groove joint method.

Each row has a start panel with a neutral flat end towards the frame and a 24 mm long and 20.8 mm thick tongue end towards the standard panel. The standard panel consists of one side with a 24 mm long and 20.8 mm thick tongue and one side with a 24 mm long and 20.8 mm thick groove closed with a 24.5 mm x 23.5 mm x 22.5 mm connection U-profile. The end panel consists of one side with a 24 mm long and 20.8 mm thick groove closed with a 24.5 mm x 23.5 mm x 22.5 mm connection U-profile towards the standard panel and one neutral flat end towards the frame.

The bulkhead panels are made of 0.6 mm galvanized steel sheets as outer half shell and 0.5 mm partly perforated galvanized steel sheets as inner half shell facing each other inside the air gap. The sheets are glued to 24 mm mineral wool type ABM-SR 120 produced by Shanghai ABM Rock Wool (density: 120 kg/m³) with approved adhesive.

At the bottom of the panels a blind rivet was used to fix the panels to the bottom profile at the panel joints.

Total double wall thickness: 70 mm.

For further details, see documentation listed under "Type Examination documentation" below.

Application/Limitation

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

Approved for use as a non-load bearing vertical fire retarding division of class A-30. The use of this product shall be limited to applications specifically approved by the Administration in question, see IMO 2010 FTP Code Part 3, Appendix 1, items 1.12 and 1.13. The construction shall in any case not be used as part of main fire zone bulkheads and stairways enclosures on passenger ships (see also IMO MSC/Circ.1005).

Maximum panel size: 1000 mm x 2475 mm (W x H).

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

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 Mark of Conformity and USCG Approval Number if applicable (see first page).