EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000B8A
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)
Marine B50MD Type B-15 Class Bulkhead

issued to
Jiangsu Haojun Huake Housing Industrial Co., Ltd.
Jingjiang, **China**

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: **2025-07-30**

Expiry date: **2030-07-29**

DNV local unit:
Jiangyin NB & CMC

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Marine B50MD Type B-15 Class Bulkhead"
is a panel consisting of YG-2 type rockwool insulation with density of 120 kg/m³ (manufactured by Changzhou Thermal Insulation Material Factory Co., Ltd.) covered by 0.6 mm thick galvanized steel plates on both sides by means of an adhesive of type PAPU-03 (produced by Jingjiang Green Functional Material Co., Ltd.).

The panels are pressed between two surrounding frames made of L63 mm x 63 mm x 5 mm angle steel.

The 600 mm panel may be equipped with four cable troughes 25 mm x 50 mm.

The panels are joined together by flat steel connectors 30 mm x 3 mm.

Total panel thickness: 50 mm.

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

Application/Limitation

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

Maximum panel size: 700 mm x 2970 mm (W x H).

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the MED 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 MED Mark of Conformity and USCG Approval Number if applicable (see first page).