Certificate no.:
TAF00001YR

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Class B Bulkhead

with type designation(s)
Marine B50MGd Type Class B-15 Bulkhead

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

is found to comply with

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021
DNV rules for classification – Ships
DNV offshore standards

Application:

Product approved by this certificate is accepted for installation on all vessels classed by DNV.

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

This certificate is recognized by Transport Canada.

Issued at **Høvik** on **2024-11-20**
This Certificate is valid until **2029-11-19**.
DNV local unit: **Jiangyin NB & CMC**

for **DNV**

Approval Engineer: **Marcin Tobiasz**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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 B50MGd Type Class B-15 Bulkhead"
is a panel consisting of a 48.8 mm thick YG-2 type rockwool insulation (manufactured by Changzhou Thermal Insulation Material Factory Co., Ltd. with a density of 120 kg/m^3) covered with 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.).

Total panel thickness is 50 mm.

The panels are joined together by flat steel connectors 30 mm x 3 mm (W x H).

The panel can be fitted with two cable trays 200 mm x 22.4 mm (W x H) made of 1.2 mm steel. Space between cable trays is 50 mm.

For further details, see drawings listed under Type Approval documentation.

Application/Limitation

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

Maximum panel size: 2970 mm x 600 mm (H x W).

Any surface materials used have to be approved for smoke and toxicity and low flame-spread characteristics (IMO 2010 FTP Code parts 2 and 5) when required according to relevant rules and regulations.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report No. FT24223 dated 25 June 2024 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

Drawing no. Q354HK28-00SY dated 06 May 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 of manufacturer, type designation and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV confirms that the product listed in this certificate is in accordance with Transport Canada's requirements.

Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Program DNV-CP-0338, Section 4.