



Certificate No:
TAF00001TN

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class A Bulkhead

with type designation(s)
HMTB-64

Issued to

Tianjin Haimen Building Material Co., Ltd.
Langfang, Hebei Province, China

is found to comply with

DNV rules for classification – Ships

DNV offshore standards

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application :

Approved as a vertical fire retarding division of A-60.

This certificate is recognised by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2023-06-05**

This Certificate is valid until **2028-06-04**.

for **DNV**

DNV local unit: **Dalian NB & CMC**

Approval Engineer: **Tessa Biever**

Jowita Permoda
Head of Section

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 300,000 USD.



Product description

'Class A-60 Bulkhead: HMTB-64'

A structural steel bulkhead insulated with 40 mm ceramic wool of type 'HMT-64' rockwool with nominal density of 64 kg/m³ (manufactured by Tianjin Haimen Building Material Co. Ltd) placed directly on the structural core following the contours of the stiffeners.

The insulation layer is fixed on the surface of the structural core by rivets. Max. distance between rivets and ceramic wool seams is 150 mm. Max. distance between rivet in width and height direction of the structural core is 300 mm.

For further details see under Type Approval documentation.

Application/Limitation

Approved for use as a vertical fire retarding division of class A-60.

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.

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

Type Approval documentation

Test report No. FT23105 dated 10 April 2023 from FEFTC, Shanghai, China.

Drawing No. THK 40 (HMTB-64)-01 dated April 2022 from manufacturer.

Drawing No. THK 40 (HMTB-64)-01 dated April 2022 from manufacturer.

Drawing No. THK 40 (HMTB-64)-01 dated April 2022 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 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 (TP 14612)", DNV confirms that the product/s listed in this certificate is/are 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 Programme DNV-CP-0338, Section 4.