Certificate No:
TAF00001TH

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Non-Combustible Material

with type designation(s)
Glass wool board - HMB-24 and HMB-60

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 for use as non-combustible material.

This certificate is recognized by Transport Canada.

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

Issued at **Høvik** on **2023-05-03**
This Certificate is valid until **2028-05-02**.
DNV local unit: **Dalian NB & CMC**

Approval Engineer: **Tessa Biever**

for **DNV**

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
'Glass wool board - HMB-24 and HMB-60'
Composed of glassfiber in melting status.

Density: 24 – 60 kg/m^3.

Application/Limitation
Approved for use as non-combustible materials.

Max. organic content: 6%

The product may be used as an integrated part of approved fire resisting divisions only when tested as such.

The material shrank during the non-combustibility test.

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

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

Test report No. FT22132 dated 2 September 2022 from FEFTC, Shanghai, China.
Test report No. FT22133 dated 1 September 2022 from FEFTC, Shanghai, China.

Tests carried out
Tested according to IMO 2010 FTP Code part 1.

Marking of product
The product or packing is to be marked with name of manufacturer and type designation.

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.