

# TYPE APPROVAL CERTIFICATE

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**This is to certify:****That the Non-Combustible Material**

with type designation(s)  
**Non-combustible insulation material type "HaiMen"**

Issued to

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

is found to comply with  
**DNV GL offshore standards**  
**DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations**  
**DNV GL rules for classification – Ships**

**Application :**

**Approved for use as non-combustible materials.**

**This certificate is recognized by Transport Canada.**

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

Issued at **Hamburg** on **2018-05-15**

This Certificate is valid until **2023-05-14**.

DNV GL local station: **Dalian**

for **DNV GL**

Approval Engineer: **Timo Linn**

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**Jörg Kallies**  
**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.



Job Id: **262.1-028445-1**  
Certificate No: **TAF00000Y7**

## Product description

### Product schedule:

#### HaiMen glass wool:

Glass wool plate "HMB-30" [density: 30kg/m<sup>3</sup>, thickness: 50 mm]  
Glass wool plate "HMB-40" [density: 40kg/m<sup>3</sup>, thickness: 50 mm]

#### HaiMen rock wool:

Rock wool plate "HMY-100" [density: 100kg/m<sup>3</sup>, thickness: 50 mm]

#### HaiMen ceramic wool:

Ceramic wool plate "HMT-170" [density: 170kg/m<sup>3</sup>, thickness: 50 mm].

## Application/Limitation

Approved for use as non-combustible materials.

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

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

## Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2017.

Test report nos : FT07128 and FT07129 of 22.05.2007; FT07130 and FT07131 of 23.05.2007 issued by Far East Fire Testing Centre, Shanghai.  
(GL Ref. No.12-108237 old certificate no. 4515007 HH).

## Tests carried out

Tested according to IMO Res. MSC.61(67) - FTPC Annex 1, Part 1 and in compliance with IMO Res. MSC.307(88) – 2010 FTP Code clause 8.

## Marking of product

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

## Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

## Periodical assessment

DNV GL'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 DNVGL-CP-0338, Section 4.