



Certificate No:
TAF00001KJ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Horizontal Class B Division

with type designation(s)
Marine T50D Type B-15 Class Ceiling

Issued to

Jiangsu Haojun Huake Housing Industrial Co., Ltd.
Jingjiang, China

is found to comply with

DNV offshore standards

DNV rules for classification – Ships

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

Application :

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

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

This certificate is recognized by Transport Canada.

Issued at **Hamburg** on **2022-03-23**

This Certificate is valid until **2027-03-22**.

DNV local station: **Jiangyin NB & CMC**

for **DNV**

Approval Engineer: **Roland Priebe**

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.

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.



Form code: TA 251

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Page 1 of 2

Product description

The **Marine T50D Type B-15 Class Ceiling** is a compound ceiling structure composed of marine T50D type class B-15 ceiling + 500 mm air gap + A class structural core.

The 25 mm thick ceiling panels are made of 0.6 mm thick galvanized steel plate with rock wool applied on it. The panels are connected with double trough girder on the long side and with double ear connection runner on the short sides. A 25 mm thick rock wool plate is applied on the frame construction with the assembled ceiling panels.

The ceiling profiles are connected to the bottom of the deck by clamps and at the side they are fixed in a frame with angle steel.

Material:

The insulation material used in the ceiling panels and above is ABM-SR type rock wool from Shanghai ABM Rockwool Dafeng Co., Ltd. Nominal density: 80 kg/m³; moisture content ≤5%; nominal organic content ≤4%.

For further information please see under Type Approval documentation below.

Application/Limitation

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

The minimum distance between the ceiling panel and the structural steel deck is 500 mm.

Maximum panel size: 315 mm x 2365 mm (W x L)

Any adhesives 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.

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

Type Approval documentation

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

Test report No. FT21009 dated 2021-01-25 from FAR EAST FIRE TESTING CENTRE, Shanghai, China.

Tests carried out

Tested according to IMO 2010 FTP Code part 3 and Appendix 4.

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 and 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 Program DNV-CP-0338, Section 4.