

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the A & B Class divisions fire integrity: B class divisions.

with type designation(s)
T25DXY Type Class B-0 Continuous Ceiling

Issued to

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

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170**,
item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2/3.4 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1581

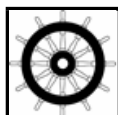
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-12-28**.

Issued at **Hamburg** on **2020-12-29**

DNV GL local station:
Jiangyin NB & CMC

Approval Engineer:
Karolina Kusmider



Notified Body
No.: **0098**

for **DNV GL SE**

Christine Mydlak-Roeder
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004, and amended by Decision No 1/2018 dated February 18th, 2019.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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

"T25DXY Type Class B-0 Continuous Ceiling"

Ceiling panels composed of 25 mm thick ABM-SR type marine rock wool insulation with nominal density of 80 kg/m³ (produced by Shanghai ABM Rockwool Dafeng) laid on 0.6 mm thick galvanized steel sheet. The steel sheets are perforated with ø2.5 mm sound-absorbing holes in diagonal distance of c/c approx. 5 mm.

The panels are connected together on the longer edge by double through girder (beam) connected with the deck by hanger sets and jointed with screws at each groove between panels. The panels are joined together at shorter edge with double ear connection runner (T-carrier), which is suspended to the deck by hangers and M8 bolts.

Total panel thickness: 25 mm

For further details see drawing listed under Type Examination documentation below.

Application/Limitation

Approved for use as a horizontal fire retarding division of class B-0.

Maximum panel size: 275 x 2365 mm (W x L)
Maximum distance between hanger sets: 605 mm
Maximum distance between beams: 800 mm
Maximum distance between T-carriers: 2365 mm

The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

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

Type Examination documentation

Test report No. FT20047 dated 28 April 2020 from FEFTC Far East Testing Centre, Shanghai, China.

Drawing No. Q354HK7-00SY (12 sheets) dated 4 January 2020 from manufacturer.

Tests carried out

Tested according to IMO Resolution MSC.307(88) – 2010 FTP Code Annex 1, Part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG approval number if applicable (see first page).