

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BKT
Revision no.:
0

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **A' & 'B' Class divisions fire integrity: - 'B' class division**

with type designation(s)

T30AXY(II) continuous B-15 class ceiling/A-15 class combined deck

issued to

Huanan Building Materials (Shenzhen) Co., Ltd.

**1002, Chiwan Tower, No.8, Chiwan 6th Road, Chiwan Community ,Zhaoshang Subdistrict,
Nanshan District, Shenzhen 518068 Guangdong China,**

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/3.11b (Row 1 of 1)**

according to the following requirements:

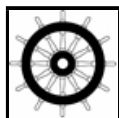
SOLAS 74 Reg. II-2/9, IMO MSC.1/Circ.1581, SOLAS 74 Reg. II-2/3.4, IMO MSC/Circ.1120

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

Date of issue: **2026-03-23**

Expiry date: **2031-03-22**

DNV local unit:
China South NB



for **DNV AS**

Approval Engineer:
Nanna Martine Jacobsen

Notified Body
no.: **0575**

Christine Mydlak-Röder
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 United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment signed 17 October 2005, and amended by Decision No 1/2023 dated August 21st, 2023.



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 AS 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 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 USD 300 000.

Product description

'T30AXY(II)'

is a continuous ceiling system composed of prefabricated sandwich-type panels. Each panel incorporates a 28.8 mm mineral wool insulation core 'Maritime Rockwool Slab' (density 120 kg/m³, manufactured by ROCKWOOL Firesafe Insulation (Guangdong)). The insulation core is faced on both sides with 0.55 mm galvanized steel sheets, bonded to the core using adhesive. The panels may include longitudinal perforation rows across the panel width (3 rows for widths ≥ 500 mm, 2 rows for widths < 500 mm). Each row is 102 mm wide with Ø2.5 mm holes at a 5 mm diagonal pitch. A minimum spacing of 45 mm to panel edges and between perforated rows applies within the approved panel configuration and is a layout constraint only, not related to fire performance.

Total panel thickness: 30 mm.

Panel to panel connection is achieved by means of a tongue-and-groove joint along the longitudinal edges of the panels.

The ceiling panels are supported by a concealed suspension system consisting of T-shaped hanging profiles. The panels are connected along their short edges to the T-profile using Ø4.2 × 16 mm self-tapping screws. The T-shaped profiles are welded to angle steel hangers, which are in turn welded to the deck head, suspending the entire ceiling system 350 mm below the structural deck.

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

Application/Limitation

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

With a minimum gap between ceiling and structural steel deck of 350 mm, the whole construction may be regarded as a horizontal fire retarding division of Class A-15.

Maximum panel width: 650 mm

Maximum distance between hangers (longitudinal direction): 2420 mm

Maximum distance between hangers along T profile (transverse direction): 1020 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

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, fire technical rating, Mark of Conformity and USCG approval (see first page).