

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the "B" Class divisions, fire integrity

with type designation(s)
T30A(II)XY - Class B-0 continuous ceiling

Issued to

Huanan Building Materials (Shenzhen) Co., Ltd.
Dongguan City Guangdong, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/3.11b. SOLAS 74 as amended, Regulation II-2.3.4 & II-2/9 and IMO 2010 FTP
Code

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

This Certificate is valid until **2023-02-11.**

Issued at **Høvik** on **2018-02-12**

DNV GL local station:
China South NB

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
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.

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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-007758-1**
Certificate No: **MEDB00003MZ**

Product description

"T30A(II)XY - Class B-0 continuous ceiling"

composed of 30 mm thick rock wool insulation with nominal density of 120 kg/m³ (produced by Rockwool Firesafe Insulation Co., Ltd.) glued with 0.6 mm thick galvanized steel sheet on both sides. The steel sheets on exposed side can be perforated with ø2.5 mm holes in diagonal distance of c/c 5 mm.

The panels are connected longitudinally by fixed tongue and groove and fasted to the deck by T-bar hanging profiles. The panels are riveted to the hanging profile with section size 71 x 40 mm, bent by 1.2 mm and 0.6 mm thick galvanized steel plate.

Total panel thickness: 30 mm

Max. distance between hanger sets: 600 mm

Max. distance from bulkhead to hanger sets along main T-bar: 600 mm

Max. distance between main T-bars: 2420 mm

For further details, see the test report and drawing mentioned under Type Examination documentation below.

Application/Limitation

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

Maximum panel width: 550 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. FT12205 dated 12 September 2012 from FEFTC Far East Testing Centre, Shanghai, China.

Drawing No. Q354HN84-00SY (11 sheets) dated 28 August 2012 from manufacturer.

Tests carried out

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

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).