

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 "B" Class divisions, fire integrity

with type designation(s)
Marine B25AXY

Issued to

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

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
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

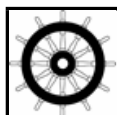
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-03-30**.

Issued at **Hamburg** on **2020-03-31**

DNV GL local station:
China South NB

Approval Engineer:
Karolina Kusmider



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-009594-1**
Certificate No: **MEDB00005RA**

Product description

"Marine B25AXY"

is a B-0 class bulkhead panel composed of an insulation core of a 23.9 mm thick marine rock wool (manufactured by J Rockwool Firesafe Insulation (Guangzhou) Co. Ltd.) with nominal density of 120 kg/ m³ bonded from both sides with 0.55 mm thick galvanized steel sheets by means of adhesive of a type "YEBOND 2002X/YEBOND 8001" (produced by Shanghai Hansi Industrial Co., Ltd.). The 0.55 mm steel sheet on exposed side is perforated (ø2.5 mm holes with 5 mm spacing).

Panels are jointed together, 22 mm depth, by joints and wedges.

Total panel thickness: 25 mm.

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

Application/Limitation

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

Max panel size: 2970 x 650 mm (H x W).

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, use and maintenance.

Type Examination documentation

Test report No. FT12340 dated 26 December 2012 from Far East Fire Testing Centre, Shanghai, China.

Drawing no. Q354HN85-I-0SY (6 pages) dated 12 November 2012 from manufacturer.

Tests carried out

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

Marking of product

The product is to be marked with name of manufacturer, type designation, fire technical rating, the MED Mark of Conformity(see first page).