DNV·GL

Certificate No:
MEDB000054Y

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" Class divisions, fire integrity

with type designation(s)
B100C Type A-60 Class Light Structure Bulkhead

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) 2018/773,**
item No. MED/3.11a. SOLAS 74 as amended, Regulation II-2/3.2 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1434

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

This Certificate is valid until **2024-05-26**.

Issued at **Hamburg** on **2019-05-27**

DNV GL local station:
China South NB

Approval Engineer:
Roland Priebe

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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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Product description

The "B100C Type A-60 Class Light Structure Bulkhead"
consists of 100 mm thick rock wool plates type Fibertex Maritime R-150 (density 150 kg/m³) covered with 0.6 mm galvanized steel sheets on both sides. An adhesive is used between the galvanized steel plates and the rock wool. The panels are connected to each other by clips.

Max. panel size: 2470 mm high x 600 mm wide x 100 mm thick.

The rock wool type Fibertex Maritime R-150 was manufactured by Rockwool Firesafe Insulation (Guangzhou) Co., Ltd.
The adhesive type YB2002X/8001 was manufactured by Shanghai Ningrui Chemical Industry Co., Ltd.

For further details see test report mentioned under "Type Examination documentation" below.

Application/Limitation

Approved for use as a vertical fire retarding division of class A-60.

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.

"Light-weight constructions" of steel or equivalent material may be used as non-load-bearing internal "A" class division in accommodation and service spaces. These "light-weight constructions" should not be used as an integral part of main fire zone bulkheads and stairway enclosures on passenger ships. (MSC/Circ. 1120, Part A, Reg. 3.2.1 and 3.2.2)

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

Type Examination documentation

Test Report No. FT09035 dated 2009-03-04 issued by Far East Fire Testing Centre, Shanghai, China.

Tests carried out

Tested according to IMO Res. MSC.61(67) - FTP Code, Annex 1, Part 3 and in compliance with IMO Res. MSC.307(88) – 2010 FTP Code Ch. 8.

Marking of product

The product or packing 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 page 1).