DNV·GL

Certificate No:
MEDB00001XR

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 B50CGd type B-15 Class bulkhead

Issued to
Huanan Building Materials (Shenzhen) Co., Ltd.
Dongguan, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.18b and Annex B, Module B in the Directive; SOLAS 74, Reg. II-2/3, II-2/5, II-2/6, II-2/9 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

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

This Certificate is valid until **2022-01-09**.

Issued at **Hamburg** on **2017-01-10**

DNV GL local station:
China South CMC/ SIO

Approval Engineer:
Timo Linn

Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Marine B50CGd type B-15 class bulkhead"
Panels consisting of rock wool plates arranged inside with two longitudinal insulation air spaces (2470mm x 220mm x 6mm) covered with 0.6 mm galvanized steel plates; panels connected to each other by clips, acc. to figure 1 to 7 of test report.

Total thickness: 50 mm

Insulation:
Rock wool plate, type FIBERTEX R150 manufactured by CSR (Guangzhou) [density: 150 kg/m³].
Thickness: 50mm

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

Application/Limitation

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

Maximum size of panel: 600 x 2470 mm (W x H).

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. FT10228 dated 2010-07-02 issued by Far East Fire Testing Centre, Shanghai, China.

Drawing No. Q354HN70-00SY, Rev. 0 (8 pages) dated 25 May 2010 from the manufacturer.

Tests carried out

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

Marking of product

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