

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB0000151**

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate.  
This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.  
**This is to certify:**

**That the "B" Class divisions, fire integrity**

with type designation(s)

**B50AGa Type Class B-15 Bulkhead**

Issued to

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

**SHENZHEN GUANGDONG, China**

is found to comply with the requirements in the following Regulations/Standards:

**Annex A.1, item No. A.1/3.11b and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2.3.4.4. and IMO 2010 FTP Code.**

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

This Certificate is valid until **2021-07-11**.

Issued at **Høvik** on **2016-07-12**

DNV GL local station:

**China South CMC/ SIO**

Approval Engineer:

**Piotr Orzechowski**

Notified Body

No.: **0575**

for **DNV GL AS**

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**Vidar Dolonen**

**Head of Notified Body**

## **Product description**

"B50AGa Type Class B-15 Bulkhead"

The bulkhead panels composed of two layers of 25 mm thick rock wool with 18 mm air gap in between. The air gap with width of 18 mm and inside 0.55 mm thick waved galvanized steel plate is fitted along the panel length. The 50 mm insulation of the same type is fitted between air gaps.

The rock wool (manufactured by Rockwool Firesafe Insulation (Guangzhou) Co., Ltd.) of density 120 kg/m<sup>3</sup> is covered with 0.55 mm thick galvanized steel sheet on outer sides.

The air gap between the panels is formed by U-profile of specification 50 x 25 x 50 x 2 mm.

The whole construction is mounted in an enclosed frame made of steel L-profile 100 x 63 x 5 mm and fasted with L-profile 63 x 63 x 5 mm.

The panels are joined together by means of male/female connections.

Total bulkhead panel thickness is 50 mm.

For detail information please see approved drawing listed under Type Examination documentation below.

## **Application/Limitation**

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

Maximum panel size: 650 x 2970 mm (width x height).

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**

### **Tests carried out**

Tested according to IMO 2010 FTP Code part 3.

### **Marking of product**

The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating, the MED Mark of Conformity and USCG approval number if applicable.