DNV·GL

Certificate No:
MEDB00001EC

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 the Kingdom of Norway.

This is to certify:

That the "B" Class divisions, fire integrity

with type designation(s)
B50CGe Type B-15 Class bulkhead Panel

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) 2015/559,**
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 **2021-11-27**.

Issued at **Høvik** on **2016-11-28**

DNV GL local station:
China South CMC/ SIO

Approval Engineer:
Piotr Orzechowski

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

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Job Id:
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Product description

"B50CGe Type B-15 Class bulkhead Panel"
The bulkhead panels composed of:

- 0.55 mm thick galvanized steel sheet (exposed side)
- 1.2 mm thick stiffened galvanized steel sheet
- 21 mm thick rock wool
- 6 mm thick air gap
- 21 mm thick rock wool
- 0.55 mm thick stiffened galvanized steel sheet
- 0.55 mm thick galvanized steel sheet (unexposed side)

The rock wool of density 120 kg/m^3 is manufactured by Rockwool Firesafe Insulation (Guangzhou) Co., Ltd.). 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 galvanized steel plates and insulation are glued together with adhesive.

The panels are joined together by connections clips.

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

Test report no FT16319 dated 8 August 2016 from Far East Fire Testing Centre, Shanghai, China.

Drawing no Q354HN120-00SY (6 pages) rev. A dated 2016-06-06 from manufacturer.

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 and address of manufacturer, type designation, fire-technical rating, the MED Mark of Conformity and USCG approval number if applicable.