EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000150

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)
B50AD 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 **2021-07-19**.

Issued at **Høvik** on **2016-07-20**

Notified Body
No.: **0575**

DNV GL local station:
China South CMC/ SIO
Approval Engineer:
Piotr Orzechowski

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

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Product description

"B50AD Type Class B-15 Bulkhead"
composed of panels with/without cable ducts.
The panel with cable ducts: composed of 48.8 mm thick mineral wool (manufactured by Rockwool Firesafe insulation Co., Ltd.) of density 120kg/m^3, covered with 0.55 mm thick galvanized steel sheet on both sides and fitted with 50 x 25 mm (W x H) longitudinal cable ducts.
The panel without calbe ducts: composed of two layers of 25 mm thick mineral wool (manufactured by Rockwool Firesafe insulation Co., Ltd.) of density 120kg/m^3, covered with 0.55 mm thick galvanized steel sheet on both sides. In the middle of each panel one 50 x 50 mm (W x T) layer of the same insulation is fitted.
The galvanized steel plates and insulation are glued together with adhesive.
The panels are joined together by means of male/female connections.
Total bulkhead panel thickness is 50 mm.
For further details, see the Type Examination documentation below.

Application/Limitation

Approved for use as a vertical fire retarding division of class B-15.
Max panel size (without duct): 650 x 2970 mm (Width x Height).
Max panel size (with duct): 600 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 is to be marked with name of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG number if applicable.