DNV·GL

Certificate No:
TAF000011J

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class B Bulkhead

with type designation(s)
B-15 class bulkhead, type "B50A"

Issued to
CSSC - Jiangxi Chao Yang Machinery Co., Ltd.
PENGZE, JIANGXI, China

is found to comply with
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations
DNV GL offshore standards
DNV GL rules for classification – Ships

Application :

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

This certificate is recognized by Transport Canada

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2018-10-02**
This Certificate is valid until **2023-10-01**.
DNV GL local station: **Wuhan CMC**

Approval Engineer: **Timo Linn**

for **DNV GL**

Jörg Kallies
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-028401-1**
Certificate No: **TAF000011J**

Product description

B-15 class bulkhead, type "B50A"
B-15 bulkhead panels consisting of rock wool, covered on both sides with 0.6 mm steel sheets, panels connected to each other with tongue and groove, acc. to figure 1 to 3, page 5 to 7 of test report.
An adhesive was utilized in between the galvanized steel plate and rock wool for bonding.

Total thickness of the panels is 50 mm.

Insulation
KMD-Y-01 type rock wool of density 150 kg/m^3 manufactured by Nanjing Kangmei Da New Type Insulation Materials Products Co., Ltd

Adhesive:
TH-99A type manufactured by Jiujiang City Specific Adhesive Factory.

For further details, see the drawings in the test report mentioned under Type Approval documentation below.

Application/Limitation

The class B15 bulkhead may achieve also class B-30 criteria.

Any surface materials used have to be approved for smoke and toxicity and low flame-spread characteristics (IMO FTP Code Annex 1 Parts 2 and 5) when required according to relevant rules and regulations.

Max. panel size: 600 mm x 2550 mm (W x H)

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

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2017.

Test report no.: FT12141 of 12.07.2012 issued by Far East Fire Testing Centre, Shanghai, China.

Tests carried out

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

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation and fire technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "*Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)",* DNV GL confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNVGL-CP-0338, Section 4.