DNV·GL

Certificate No:
TAF00001BS

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class B Bulkhead

with type designation(s)
B-15 CLASS WALL PANEL (UB-804)

Issued to
Sung Mi Co., Ltd.
Gimhae-si, Gyeongsangnam-do, Republic of Korea

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

Application :

Approved for use as a vertical 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 **Høvik** on **2020-01-13**
This Certificate is valid until **2025-01-12**.
DNV GL local station: **Gimhae Station**

Approval Engineer: **Joanna Kowalczuk**

for **DNV GL**

Mårten Schei-Nilsson
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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Product description

"B-15 CLASS WALL PANEL (UB-804)"
consists of two panels facing each other. Each panel consists of 15 mm thick mineral wool of density 200 kg/m^3 (manufactured by KCC Corporation) covered with 0.6 mm thick steel sheets insulated on one side (bonded to insulation with adhesive). The longitudinal edges are connected to the adjancent panels with joint profiles and three M4 x 25 mm self drilling screws, one fastened through panel edges and two in connection with the joint profile (max. distance between fastening points: 300 mm).

The panels facing each other are connected together and to the bulkhead with steel channels (2T x 50 x 50 mm) on each side.

Total thickness of the panels: 80 mm.

The panel may be produced at the premises of Site Factory, 311 Yongjeonsaneopdanji-gil, Samnangjin-eup, Miryang-si, Gyeongsangnam-do, Korea.

For further details, see drawings mentioned under Type Approval documentation below.

Application/Limitation

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

Max panel size: 800 mm x 2474 mm (W x H).

Any surface materials used have to be approved for smoke and toxicity and low flame-spread characteristics (IMO 2010 FTP Code parts 2 and 5) when required according to relevant rules and regulations.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5.

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

Type Approval documentation

Certification in accordance with Class Program DNVGL-CP-0338, September 2018.

Test report No. KOMERI-0402-13T1180 dated 5 December 2013 from (KOMERI), Korea.

Drawing No. P–130408-1 dated 8 April 2013 from the manufacturer.
Drawing No. P-130408-2 dated 8 April 2013 from the manufacturer.

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 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 listed in this certificate is 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.

Job Id: **262.1-019328-2**
Certificate No: **TAF00001BS**