

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Class B Bulkhead**with type designation(s)
B-502/B-502C

Issued to

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

is found to comply with

DNV GL rules for classification – Ships**DNV GL offshore standards****DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations****Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****This certificate is recognized by Transport Canada.**Issued at **Høvik** on **2019-06-25**This Certificate is valid until **2024-06-24**.for **DNV GL**DNV GL local station: **Gimhae Station**Approval Engineer: **Thorvald Furuseth**

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.



Product description

This certificate covers the following variants:

1. B-15 Class Bulkhead B-502
2. B-15 Class Bulkhead B-502C

"B-15 Class Bulkhead Panel B-502"

Bulkhead composed of 600 mm wide panels consisting of a mineral wool core with density 140 kg/m³ (manufacturer by KCC Corporation) with 0.6 mm galv. steel sheets on both sides. The mineral wool is bonded to the steel sheet by an adhesive, type OCUA 970SNF. The panels are fixed with bottom profile P-201 and top profile P-101, and joined together by means of 0.6 mm galv. steel profiles with a 3 mm x 30 mm (thickness x length) steel spline.

Total thickness of panel is 50 mm.

"B-15 Class Bulkhead Panel B-502C"

Same as variant 1 but may incorporate cable conduits, consisting of a 0.6 mm galv. steel profile with max size 23 mm x 100 mm on unexposed side.

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

For further details please see the drawings under Type Approval documentation below.

Application/Limitation

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

Max panel size: 600 mm x 2480 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 or IMO FTPC Parts 2 and 5 when in compliance with the 2010 FTP Code Ch. 5.2 and 8) 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, use and maintenance.

Type Approval documentation

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

Test report No. KOMERI-0402-18T3682-1 dated 19 April 2019 from KOMERI, Busan, Korea.

Drawing No. SM-F-B502/502C-O dated 23 October 2018 from Sung Mi.

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.



Job Id: **262.1-030189-1**
Certificate No: **TAF000017M**

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.