DNV·GL

Certificate No:
**TAF0000189**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Class B Bulkhead**

with type designation(s)
**STACO-W-B25**

Issued to
**STACO Co., Ltd.**
**Busan, 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 :

**Approved for use as a vertical fire retarding division of class B-0.**

**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 **2019-07-18**
This Certificate is valid until **2024-07-17**.
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.

Job Id: **262.1-006625-5**
Certificate No: **TAF0000189**

## Product description

"STACO-W-B25"
panels consist of an insulating core made of 23.5 ± 0.5 mm mineral wool of density 140 kg/m$^3$ from BYUCKSAN CO LTD. covered with 0.6 mm thick steel plates on both sides. The mineral wool is glued to the steel plates with OCUA 970SNF adhesive from Dai Han Polymer CO.,LTD.
The panels are joined together by U-profiles either on front side or reversed side.

Total panel thickness is 25 mm.

For further details, see the approved drawings listed under Type Approval documentation below.

## Application/Limitation

Approved for use as a vertical fire retarding division of class B-0.

Max. panel size is 600 x 2480 mm (W x L).

Any surface materials used have to be approved for smoke and toxicity and low flame spread characteristics to IMO 2010 FTP Code part 2 and 5 or IMO FTPC Part 2 and 5 when in compliance with the IMO 2010 FTP code Ch. 5.2 and 8 when required according to relevant rules.

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 reports Nos.:
KOMERI-0402-18T3298 dated 26 December 2018,
KOMERI-0402-18T3299 dated 16 January 2019
all from Korea Marine Equipment Research Institute, Busan, Republic of Korea.

Drawings No. G-W-B25(B-0)-1 (5 sheets) and No. G-W-B25(B-0)-2 (5 sheets) dated 2 October 2018 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 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.