DNV·GL

Certificate No:
TAF00001CW

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class B Bulkhead

with type designation(s)
B-0 Class Bulkhead DWP 701

Issued to
Daejin SAT Co., Ltd.
ULSAN, KYONGSANGNAM-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-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 **2020-04-15**
This Certificate is valid until **2025-04-14**.
DNV GL local station: **Ulsan**

Approval Engineer: **Karolina Kusmider**

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-0 Class Bulkhead DWP 701"
Panels consist of an insulating core made of 15 mm mineral wool of density 200 kg/m^3 (manufactured by BYUCKSAN YOUNGDONG PLANT) covered with 0.6 mm thick steel plates on one sides. The mineral wool is glued to the steel plates with OCUA 970SNF adhesive from DAE-HAN POLYMER CO.,LTD. The panels are joined together by omega-profiles.

Total panel thickness is 30 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. size of panels: 2480 x 600 mm (H x W).

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 report no. KOMERI-0402-19T1166 dated 7 June 2019 from from (KOMERI), Korea.
Drawing no. DJ-DWP701F-0 rev.0 (7 sheets), dated 15 March 2019 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/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.