

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Class B Bulkhead**with type designation(s)
DWP 503/503C

Issued to

Daejin SAT Co., Ltd.
ULSAN, KYONGSANGNAM-DO, Republic of Korea

is found to comply with

DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations
DNV GL rules for classification – Ships
DNV GL offshore standards**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 **Høvik** on **2019-05-30**This Certificate is valid until **2024-05-29**.for **DNV GL**DNV GL local station: **Ulsan**Approval Engineer: **Helge Bjørnara**

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: **262.1-029350-1**
Certificate No: **TAF000017T**

Product description

DWP 503/503C,
bulkhead composed of 600 mm wide panels consisting of an insulating core of 50 mm mineral wool with density 140 kg/m³ (manufactured by Byucksan Co. Ltd) faced on both sides with 0.6 mm galv. steel sheets. 0.6 mm galv. steel M-profiles are fitted along the longitudinal edges. The mineral wool is glued to the steel sheets. The panels are joined together by an spline joint (3 mm x 30 mm). The panel (503C) incorporates a 0.6 mm galv. steel sheet cable conduit channel .

Total panel thickness is 50 mm.

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

Application/Limitation

Approved for use as a vertical 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-0402-18T3425 dated 14 November 2018 from KoMERI, Busan, Korea.

Drawing No. DJ-DWP503/503CF-3, Rev.3, dated 3 July 2018 from maker.

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.