

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Horizontal Class B Division**with type designation(s)
B-0 Class Ceiling Panel (C-604N)

Issued to

Sung Mi Co., Ltd.
Gimhae-si, Gyeongsangnam-do, Republic of Koreais 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 horizontal continuous 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 **2019-05-16**This Certificate is valid until **2024-05-15**.for **DNV GL**DNV GL local station: **Gimhae Station**Approval Engineer: **Krzysztof Kolakowski**.....
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: **262.1-018482-2**
Certificate No: **TAF000017G**

Product description

"B-0 Class Ceiling Panel (C-604N)"

Ceiling panel composed of an insulation core made of 25 mm thick mineral wool (from KCC Corporation, Ltd., Korea) of nominal density 60 kg/m³ put on a 0.6 mm perforated galvanized steel plate. The ceiling panels are jointed together with main runners and cross runner. The ceiling is connected to deck with hanger sets.

Max. distance between main runners: 1400 mm
Max distance between cross runners: 1200 mm
Max. distance between hanger sets: Approx 1520 mm

Total panel thickness is 25 mm.

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

Application/Limitation

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

Max panel size: 300 x 2230 mm (Width x Length).

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.

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-0402-14TI080 dated 20 October 2014 from Korea Marine Equipment Research Institute (KOMERI) Busan, Korea

Drawing No. P-140626 (6 pages) dated 26 June 2014 from the manufacturer

Tests carried out

Tested according to IMO 2010 FTP Code part 3 and Appendix 4.

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.