DNV·GL

Certificate No:
TAF000002Y

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Horizontal Class B Division

with type designation(s)
C-605

Issued to
Sung Mi Co., Ltd.
KIMHAE-SI KYUNGNAM, Republic of Korea

is found to comply with
DNV GL offshore standards
DNV GL rules for classification – Ships

Application :

Approved for use as a horizontal 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.

This Certificate is valid until **2021-01-19**.

Issued at **Høvik** on **2016-01-20**
DNV GL local station: **Gimhae MC & FIS** for **DNV GL**

Approval Engineer: **Ragnar Tonjer**

Petter Langnes
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

"C-605"
ceiling panels consisting of an insulation core of 25 mm thick mineral wool of density 60 kg/m³ (manufactured by KCC Corporation) covered with 0.6 mm thick galvanized steel sheets on exposed side.

Total panel thickness including panel joint details is 42 mm.

Panels are to be jointed together in the longitudinal panel direction with hook connections.

The ceiling is connected to the steel deck with hanger sets connected to T-carriers. The panels' short ends are fastened to the T-carriers by screws.

Max. distance between hanger sets: 1200 mm.

Max. distance between T-carriers: 2400 mm.

For further details, see drawing mentioned under Type Approval documentation below.

Application/Limitation

Maximum panel width: 300 mm.
Panel length: 2400 mm.

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 when required according to relevant rules.

Each product is to be supplied with its manual for installation and use.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Test Report No. KOMERI-0402-13T2514 dated 21 March 2014 from Korea Marine Equipment Research Institute (KOMERI).

Drawing Nos. P-130313-1 and P-130313-2 both dated 13 March 2013 from the 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 products listed in this certificate 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 DNVGL-CP-0338 Section 4.