

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Horizontal Class B Division**with type designation(s)
UC-804

Issued to

Sung Mi Co., Ltd.**Gimhae-si, Gyeongsangnam-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 horizontal, continuous 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 **2020-01-13**This Certificate is valid until **2025-01-12**.for **DNV GL**DNV GL local station: **Gimhae Station**Approval Engineer: **Joanna Kowalczuk**

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.



Product description

"UC-804"

is a ceiling panel system composed of 0,6 mm thick steel sheet insulated on the side facing upwards with 30 mm thick mineral wool with density 200 kg/m³ (manufactured by KCC Corporation, Korea). The steel sheet covers the side of the panel and extends 20 mm over the insulation on the insulated side.

The panels are fastened to each other by screws cc 300 mm. An internally insulated 1 mm thick steel profile is fitted over the panel joint on the panels insulated side, by a set of two screws each 300 mm along the joint.

Total panel thickness is 30 mm.

Total thickness over the panel joint is 45 mm.

The ceiling is suspended to the steel deck by hanger sets welded to the steel deck in one end and connected to an inverted T-carrier in the other end. The T-carrier (made of 1 mm thick steel profiles) runs in the transverse panel direction and supports the panel short ends.

The panel may be produced at the premises of Site Factory, 311 Yongjeonsaneopdanji-gil, Samnangjin-eup, Miryang-si, Gyeongsangnam-do, Korea.

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

Application/Limitation

Approved for use as a horizontal, continuous fire retarding division of class B-15.

Max panel size is 520 mm x 2350 mm (w x h).

Max. distance between hangers: 1200 mm.

Max. distance between T-carriers: 2350 mm

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) 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 and maintenance.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, September 2018.

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



Job Id: **262.1-018832-2**
Certificate No: **TAF00001BR**

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.