Certificate no.:
TAF000020D

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Horizontal Class A Division

with type designation(s)
A-60 Class Deck Type D-107

issued to
KCC Corporation Ltd. Gimcheon Plant
Gimcheon, Gyeongsangbuk-do, Korea, Republic of

is found to comply with

DNV offshore standards
DNV rules for classification – Ships
DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021

Application:

Approved for use as a horizontal fire retarding division of class A-60.

This certificate is recognized by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2025-06-10**
This Certificate is valid until **2030-06-09**.
DNV local unit: **Seoul, CMC Korea**

for **DNV**

Approval Engineer: **Joanna Kowalczuk**

Product description

”A-60 CLASS DECK TYPE D-107”
composed of a structural steel deck insulated with 75 mm thick “Hi-Wool” of density 120 kg/m³ between and upon stiffeners fixed with welded stud pins and washers. The area around the stiffener (between two layers of “Hi-Wool”) is to be insulated with 25 mm “Hi-Wool” of the same type as above.

Insulation is fixed to the deck by pins with ø2.5-4.0 mm and washers with ø25-35 mm. Pins are to be installed on deck plate with a nominal spacing of 300 mm between pins, 150 mm from the stiffeners and max. 110 mm from top/bottom of the deck. Pins also to be installed on deck stiffeners with a nominal spacing of 300 mm. Joints between blankets can be located between pin rows with max. spacing of 200/100 mm.

For further details, see documents listed under Type Approval documentation below.

Application/Limitation

Approved for use as a horizontal fire retarding division of class A-60.

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 Program DNV-CP-0338, September 2021.

Test report No. KOMERI-0402-19t5478(E) dated 18 February 2020 from Korea Marine Equipment Research Institute, KOMERI, Busan, Korea

Drawing No. KCC-GC-2020-01-A dated 1 January 2020 from manufacturer.
Drawing No. KCC-GC-2020-01-B dated 1 January 2020 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled “Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)”, DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV’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 Program DNV-CP-0338, Section 4.

Manufactured by:

KCC Corporation Ltd. Gimcheon Plant, Gimcheon, Gyeongsangbuk-do, Republic of Korea.