Certificate no.:
TAF00001ZG

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Window and Glass Partition

with type designation(s)
B-15 Class Fire Resistant Rectangular Window (JG-B15-180)

issued to
Jung Gong Ind. Co., Ltd.
Busan, , Republic of Korea

is found to comply with
DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021
DNV rules for classification – Ships
DNV offshore standards

Application:

Product approved by this certificate is accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2025-04-08**
This Certificate is valid until **2030-04-07**.
DNV local unit: **Busan, CMC Korea**

for **DNV**

Approval Engineer: **Katarzyna Baczewska**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

"B-15 Class Fire Resistant Rectangular Window (JG-B15-180)"
is constructed of fire-resistant glass unit (type: Contraflam lite marine A15) with thickness 16 mm. The window is positioned between 3 mm thick steel frame and 3 mm steel retaining frame and screwed to the panel with M4x19L tapping screws (distance between screws is approx.:100 mm). Insulation material and silicone rubber gasket are fitted between the glass unit and the window frames.

For further details see drawing mentioned under Type Examination documents below.

Application/Limitation

The window is approved for installation in B-15 class wall panels of type STACO-W-B50 or equivalent. Other applications are subject to case-by-case approval.

Restricted application: fire against glass retaining frame.

Maximum size of window frame: 1800 mm x 1600 mm (W x H)
Maximum size of exposed fire technical glazing unit: 1700 mm x 1500 mm (W x H)

The window has only been evaluated with respect to fire technical properties (e.g. strength requirements have not been considered). Arrangement and location of any window is subject to approval from relevant authority in each case.

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

Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report No. KOMERI-0402-24T2101(E) dated 11 September 2024 from KOMERI, Busan, Korea.

Drawing No: JG-B15-180 dated 10 September 2024 from the manufacturer.

Tests carried out

Tested according to IMO 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 "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 DNVCP-0338 Section 4.

Manufactured by:

JUNG GONG IND.CO, LTD.
28 Eulsukdo-daero, 569beon-gil,
Saha-gu Busan, 49438 Korea