Certificate No:
TAF00001J3

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class A Bulkhead

with type designation(s)
SEJIN SBS-A30

Issued to
SEJIN HEAVY IND. CO., LTD.
Ulsan, **Republic of Korea**

is found to comply with
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations
DNV GL rules for classification – Ships
DNV GL offshore standards

Application :

Approved for use as a vertical fire retarding division of class A-30.

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 **2021-05-26**
This Certificate is valid until **2026-05-25**.
DNV local station: **Ulsan**

Approval Engineer: **Helge Bjørnarå**

for **DNV**

Sverre Olav Bergli
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.

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 300,000 USD.

Product description

"SEJIN SBS-A30"
is composed of a structural steel bulkhead insulated on stiffened side with 40 mm spray insulation of type "SEJIN S-120K" (density 120 kg/m^3, manufactured by SEJIN HEAVY INDUSTRY Co. Ltd.). 20 mm of the same insulation type is fitted around the stiffeners and is used as filling of the stiffener's cavity.

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

This product is produced at the following production place:

- Sejin Heavy Industries Co., Ltd., Ulsan, Korea.

Application/Limitation

Approved for use as a vertical fire retarding division of class A-30.

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.

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, September 2018.

Test report no. KOMERI-0402-20T4710(E) dated 4 January 2021 from KOMERI, Busan, Korea.

Technical data sheet No. SJM-PD-04 Rev.1 dated 19 March 2021 from maker.

Drawing no. SEJIN-SI-2020-07-B-01 Rev. R0 dated 31 July 2020 from maker.

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 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 Programme DNVGL-CP-0338, Section 4.