Certificate No:
TAF00001R4

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Non-Combustible Material

with type designation(s)
SSIM-70K, SSIM-80K, SSIM-90K and SSIM-100K

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

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

Application :

Approved for use as non-combustible materials.

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 **2022-04-04**
This Certificate is valid until **2027-04-03**.
DNV local station: **Gimhae Station**

Approval Engineer: **Tessa Biever**

for **DNV**

Helene David-Andersen
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

"SSIM-70K, SSIM-80K, SSIM-90K and SSIM-100K",
Mineral wool mainly composed of SiO_2, AL_2O_3, Fe_2O_3, Cao, MgO and binders A and B.

The certificate covers the following variants:

Type	Nominal density [kg/m^3]	Nominal organic content [%]
SSIM-70K	70	1.46
SSIM-80K	80	1.25
SSIM-90K	90	1.28
SSIM-100K	100	1.30

Application/Limitation

Approved for use as non-combustible materials.

The product may be used as an integrated part of approved fire resisting divisions only when tested as such.

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

Type Approval documentation

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

Test report No. KOMERI-0402-21T4814(E) dated 2 March 2022 from KOMERI, Busan, Korea.
Test report No. KOMERI-0402-21T4625(E) dated 2 March 2022 from KOMERI, Busan, Korea.
Test report No. KOMERI-0402-21T4626(E) dated 2 March 2022 from KOMERI, Busan, Korea.
Test report No. KOMERI-0402-21T4627(E) dated 2 March 2022 from KOMERI, Busan, Korea.

Tests carried out

Tested in accordance with IMO 2010 FTP Code part 1.

Marking of product

The product or packing is to be marked with name of manufacturer and type designation.

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 Programme DNV-CP-0338, Section 4.