



Certificate no.:
TAF00001S6

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Horizontal Class B Division

with type designation(s)

Class B-0 Ceiling with fittings Model: BIP C-512

issued to

Seki Hi-Tech Co., Ltd.

Busan, Korea, Republic of

is found to comply with

Application:

Approved for use as a horizontal fire resisting division of class B-0.

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 **Busan** on **2024-09-20**

This Certificate is valid until **2029-09-19**.

for **DNV**

DNV local unit: **Site Office Gimhae CMC**

Approval Engineer: **Timo Linn**

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.



Form code: TA 251

Revision: 2023-09

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Product description

“**Class B-0 Ceiling with fittings Model: BIP C-512**” is a continuous Class B-0 ceiling of approved Type, installed under an A class deck covering with hanger set. The panels consist of 25 mm thick mineral wool (manufactured by KCC Corporation, Korea) of density 60 kg/m³, covered with 0.6 mm thick steel sheet on exposed side.

Total panel thickness is 25 mm.

The cross runners are fastened to the deck with P713 hanger sets.

The ceiling may incorporate following penetrations:

Light fittings	Approved as	Dimension with frame in mm	Depth in mm	Panel cut-out in mm	Fastening
B-0 LED Gap Ceiling Light Body 13W/26W, Type: SHT-IFC-02600-91X, SHT-IFC-02600-92X, SHT-IFC-02600-93X, SHT-IFC-01300-91X, SHT-IFC-01300-92X, SHT-IFC-01300-93X) Lightning Manufactured by: SEKIHI-TECH CO., LTD Body manufactured by POSCO	B-0	273 x 668	90	240 x 635	Fixed with joint plate by bolting Body thickness 1.0 mm
B-0 LED Gap Ceiling Light Body 21W/22W, Type: SHT-IFC-04200-91X, SHT-IFC-04200-92X, SHT-IFC-04200-93X, SHT-IFC-02100-91X, SHT-IFC-02100-92X, SHT-IFC-02100-93X) Lightning manufactured by: SEKIHI-TECH CO., LTD Body manufactured by POSCO	B-0	273 x 1278	90	260 x 1245	Fixed with joint plate by bolting Body thickness 1.0 mm
Downlight 3-inch Body (7W), Type: SHT-IDC-0700-90X Lightning manufactured by: SEKIHI-TECH CO., LTD Body manufactured by POSCO	B-0	Ø 102	55	Ø 85.3	Case fixed with screws Body thickness 1.0 mm
Downlight 6-inch Body (18W), Type: SHT-IDC-01800-90X Lightning manufactured by: SEKIHI-TECH CO., LTD Body manufactured by POSCO	B-0	Ø 185.8	44	Ø 135.74	Case fixed with screws Body thickness 1.0 mm

For further details see the drawings listed under Type Approval documentation below.

Application/Limitation

Approved for use as a horizontal fire retarding division of class B-0.

Max. panel size is 300 mm x 2240 mm (W x L).

In the longitudinal direction, the following measures apply:

- Max. distance between main runners: 1400 mm
- Max. distance between hanger rods: 2500 mm
- Max. distance from bulkhead to the nearest runner: 300 mm

In the transverse direction, the following measures apply:

- Max. distance between cross runners: 2500 mm

"The insulation materials and adhesives used have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations."

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

Type Approval documentation

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

Test report No. KOMERI-0402-22T2670(E)-A dated 14 April 2023 from Korea Maritime Equipment Research Institute, Korea

Tests carried out

Tested according to IMO 2010 FTP Part 3

Marking of product

The product is to be marked with name of manufacturer, type designation, 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)", Det Norske Veritas confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV 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.