

Type Approval Certificate



[Fire Protection Continuous Ceiling]

Initial Approval 24 March 2000

Manufacturer BIP Industries Co., Ltd.
67, Baedungongdan-gil, Hoehwa-myeon, Goseong-gun, Gyeongsangnam-do, Rep. of Korea

Product Description Brand : BIP C-511
- Grade : B-0 Class
See "Appendix 1"

Approval Condition See "Appendix 1"

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt.8, Ch.1 of the Rules for Classification of Steel Ships and IMO 2010 FTP Code Part 3.

This Certificate is valid until 23 March 2030

Issued at Tongyeong, Korea on 14 January 2025



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME25002466181) and certificate No.(TYG00745-FP044).



KOREAN REGISTER

M. H. Lee

*General Manager of
Tongyeong Branch Office*

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Product Description and/or Approval Condition

Date of Issue : 14 January 2025

A. Product Description

1. Product Specification

- 1) The ceiling consists of panels having approx. 25 mm thick mineral wool insulation (60kg/m³, KCC Corp.) covered with 0.6 mm thick galvanized perforated (max 5% porosity of Φ 1.8 mm) or non perforated steel sheet on exposed side only.
- 2) The panels are connected together on their longitudinal edges by means of connection profiles and transversal edges by means of connection clip screwed to the main runners (25 mm gap between panels) on the unexposed side.
- 3) Total thickness : 25 mm
- 4) Max. panel size : 300 mm x 2290 mm(W x H)
- 5) Max. distance between main runners : 1400 mm
- 6) Max. distance between hanger sets (transverse direction) : 1200 mm
- 7) Max. distance between bulkhead and first hanger :
 - Transverse direction : 300 mm
 - Longitudinal direction : 300 mm

2. Approved Drawings and Documents

- F2013-C511-R0 (total 9 sheets) and F2015-C511-R0 (total 8 sheets)

3. Test Reports, etc.

- 1) Test report No. A2012-1451 dated 28th May, 2013 issued by Fire Insurers Laboratories of Korea (FILK).
- 2) Test report No. AK2015-0627 dated 16th Nov., 2015 issued by Fire Insurers Laboratories of Korea (FILK).

B. Approval Condition

1. Application & Limitation

- 1) The surface materials, if applied, shall be of type approved by the Society.
- 2) In case where the panel is penetrated to incorporate light fixture and similar devices, arrangement shall be made to ensure that the fire resistance is not impaired.
- 3) Any adhesives used in A or B Class divisions should be low flame spread.
- 4) Approval Certificate for Manufacturer (Cert. No. : TYG00745-PA001) is to be retained validly apart from this Approval.

2. Individual Product Cert. and Drawing Approval Requirement

- Individual Product Certification is not required.

3. Marking

- The product or packing is to be marked with manufacturer name and type designation on a suitable position.

4. Others

- N/A

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