

# Type Approval Certificate



[ Fire Protection Ceiling ]

**Initial Approval** 30 January 2013

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

**Product Description** Brand : BIP C-613  
- 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, IMO FTP Code Part 3 and Res.MSC 307(88).

This Certificate is valid until 29 January 2028

Issued at Tongyeong, Korea on 19 October 2022



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(ME22030896506) and certificate No.(TYG00745-FP118).



KOREAN REGISTER

*Handwritten signature*

*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

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Date of Issue : 19 October 2022

### 1. Product Descriptions

- 1) The ceiling consists of panels having 25 mm thick mineral wool insulation (60 kg/m<sup>3</sup>, KCC Corporation) covered with 0.6 mm thick galvanized steel sheet on exposed side.
- 2) The ceiling is connected to deck with P754 Hanger set and T-carrier.
- 3) Total thickness : 25 mm
- 4) Max. panel size : 300 mm x 2360 mm (W x H)

### 2. Approved Drawings : No. C-613-B0-R0 (1/7 ~ 7/7)

### 3. Approval Conditions

- 1) This approval is granted on the basis of the test report no. A2012-0618 dated on Nov. 23rd, 2012 issued by Fire Insurers Laboratories of Korea (FILK).
- 2) The surface materials, if applied, shall have Type Approval Certificate by the Society.
- 3) 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.
- 4) The product or packing is to be marked with manufacturer name and type designation on a suitable position.
- 5) Any adhesives used in A or B Class divisions should be low flame spread.
- 6) Individual Product Certification is not required.

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