



# Type Approval Certificate

[ Fire Protection Bulkhead ]

**Initial Approval** 10 July 2013

**Manufacturer** BIP Industries Co., Ltd.

67, Baedungongdan-gil, Hoehwa-myeon, Goseong-gun, Gyeongsangnam-do, Rep. of Korea

**Product Description** Brand : BIP W-E80S

- Grade : B-15 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 2010 FTP Code Part 3 and Res.307(88).

This Certificate is valid until 9 July 2028

Issued at Tongyeong, Korea on 24 April 2023



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(ME23016528988) and certificate No.(TYG00745-FP122).



**KOREAN REGISTER**

*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 : 24 April 2023

1. Product descriptions :

- 1) The bulkhead consists of panels having 50 mm thick mineral wool insulation(140 kg/m<sup>3</sup>, KCC Corp.) incorporating cable conduit(80 x 24 x 1680 mm), covered with 0.6 mm thick galvanized steel sheets on both sides with adhesive (OCUA 1000RC by Dae Han Polymer Ind. Co. Korea).
- 2) The panels are connected with a spline joint profile(30 mm x 3 mm) fitted in a M-profile
- 3) Max. panel size : 600 mm x 2480 mm(W x H)

2. Approved Drawings : No. F2012-WE80S-R0 (1/5 ~ 5/5)

3. Approval Conditions

- 1) This approval is granted on the basis of the test report no. A2012-0932 dated on February 20th, 2013 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. < End of page >