

Type Approval Certificate



[Fire Protection Floating Floor]

Initial Approval 2 January 2018

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

Product Description Brand : BIP F-A60S
Grade : A-60 Class Floating Floor
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 FTPC Part 3.

This Certificate is valid until 1 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(ME22030695505) and certificate No.(TYG00745-FP140).



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

Date of Issue : 19 October 2022

A. Product Description

1. Product Specification

- 1) This floating floor consists of 3.2 mm thick steel plate, 50 mm thick mineral wool insulation(density 240 kg/m³, KCC Corp).
- 2) Total thickness of floating floor is 53.2 mm.
- 3) The steel sheet is joined together by spot welding and 1.6 mm thick L-shaped locking device(10 X 20 X 20 mm).
- 4) The welding spots are about 300 mm apart.
- 5) The insulation is bonded to steel sheet with an adhesive(BNUR-1000, BN Chemical Co., Ltd. and OCUA-1000RC, Dae Han Polymer Co., Ltd.) on upper side.

2. Approval drawings and documents

No. F2017-FA60S-R0 (7 pages with a cover)

3. Test Reports, etc.

This approval is granted on the basis of the test report no. KOMERI-0402-17T2715-1 dated 20 November, 2017 issued by Korea Marine Equipment Research Institute (KOMERI).

B. Approval Condition

1. Application & Limitation

- 1) Any adhesives used in A or B Class divisions should be low flame spread.
- 2) This approval does not cover the airborne sound insulation properties.
- 3) 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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