

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000050M
Revision No:
4

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify: That the Fire Doors

with type designation(s)
BIP AP-25F

Issued to
BIP Industires Co., Ltd. Goseong
Goseong-gun, Gyeongsangnam-do, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170**,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511, IMO MSC.1/Circ.1319

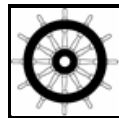
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-06-03**.

Issued at **Høvik** on **2020-09-01**

DNV GL local station:
Gimhae Station

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2019 dated February 22nd, 2019.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **344.1-004383-8**
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Product description

"BIP AP-25F: B-15 Class Access Panel".

Single leafed piano hinged door composed of a:

1. mineral wool core of a thickness of 23.5 mm (manufactured by KCC Co., Ltd., with density 240 kg/m³). with 0.6 mm galvanized steel sheets on both sides fixed by means of an adhesive "OCUA-1000RC" manufactured by Dae Han Polymer Ind., Co.
The total thickness of the door leaf is 25 mm.

OR

2. mineral wool core of a nominal thickness of 21.5 mm (manufactured by KCC Co., Ltd., with density 140 kg/m³) with 0.6 mm galvanized steel sheets on both sides fixed by means of an adhesive "BNUR-1000" manufactured by BN-STEEL Chemical Co. Ltd.
The total thickness of the door leaf is 23 mm.

The door has integrated side panels with a thickness of 25 mm, connected with special joints to the B-15 bulkhead panels (see drawing F2013-AP25F-R4 and F2019-AP25F-R1).

The door frame consists of a \perp -profile made of 0.6 mm galvanized steel plate (20 mm x 42 mm), which is fitted to the integrated side panel. At the lower and upper end of the door a bottom and top panel both with dimensions of 940 mm x 270 mm (width x height), is provided.

For details, see test report and drawings listed under Type Examination documentation below.

Application/Limitation

Approved for use as an integrated part of fire retarding divisions of class B-15.

Max clear opening: 900 x 1900 mm (width x height).
Max size of door leaf: 940 x 1940 mm (width x height).

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, use and maintenance.

Type Examination documentation

Test report No. AK2013-0349 dated 16 December 2013 from FILK, Gyeonggi-Do, Korea.
Test report No. KOMERI-0402-20T0648(E) dated 25th May 2020 from KOMERI, Busan, Korea.

Drawing No. F2013-AP25F-R4 dated 5 June 2013 from manufacturer.
Drawing No. F2019-AP25F-R1 (9 sheets) dated 29 January 2020 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and the USCG number if applicable (see first page).