

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
BIP APL-25F

Issued to

BIP Industries Co., Ltd.
Yongsan-si Gyeongsangnam-do, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:

Annex A.1, item No. A.1/1.16 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation III/4, III/13, III/26, III/34 & X/3, LSA Code, IMO MSC/Circ. 811 and 2000 HSC Code 8

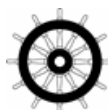
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2019-05-16**.

Issued at **Høvik** on **2016-05-20**

DNV GL local station:
Pusan

Approval Engineer:
Piotr Orzechowski



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

"BIP APL-25F"

single leafed hinged door composed of 0.6 mm steel sheet insulated with 25 mm mineral wool from KCC Corporation Korea, density 240 kg/m³ or from Kumgang Korea Chemical Co., Ltd., density 140 kg/m³. The insulation is glued to the steel with adhesive.

Door thickness is 25 mm.

Door frame consists of two parts, a Z-profile made of 1.6 mm steel plate (20x26x25 mm) and L-profile made of 1/1.2 mm (140/240 kg/m³ insulation density) steel plate (20x45 mm), which is screwed to the bulkhead panel.

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.

For insulation density 140 kg/m³

Max clear opening: 540 x 1770 mm (width x height)

Max size of door blade: 590 x 1820 mm (width x height)

For insulation density 240 kg/m³

Max clear opening: 900 x 1770 mm (width x height)

Max size of door blade: 950 x 1820 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. AK2013-0457 dated 6 March 2014 from "FILK" Fire Insurers Laboratories of Korea.

Test report No. 20020875 dated 11 November 2002 from "FILK" Fire Insurers Laboratories of Korea.

Drawings: F02-APL25F dated 22 August 2002 and F2013-APL25F-R5 dated 18 April 2013 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3 and IMO FTPC Part 3 and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product

The product is to be marked with name of manufacturer, type designation, fire technical rating, the MED Mark of Conformity, and USCG approval number if applicable.