

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 Authority. 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 "A" Class divisions, fire integrity

with type designation(s)
BIP F-A60S

Issued to

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

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

Annex A.1, item No. A.1/3.11a and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/3.2.5 and IMO 2010 FTP Code.

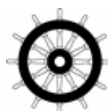
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-09-13**.

Issued at **Høvik** on **2016-09-14**

DNV GL local station:
Busan

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Job Id: **344.1-003282-4**
Certificate No: **MEDB00001SF**

Product description

"BIP F-A60S"

Composed of structural steel deck covered with "BIP F-A60S" floating floor. The floating floor is composed of 50 mm thick mineral wool "Rockwool Marine Slab 240", density 240 kg/m³, covered with 3.2 mm thick steel, constructed of 1800 x 590 mm (width x height) steel sheets joined together spot welding and 2.3 mm thick locking pieces (L-shaped, x20x20x10 mm). The welding spots are spaced not more than 600 mm apart. The insulation is glued to the steel sheets with adhesive.

Total thickness of floating floor is 53.2 mm.

For further details see approved drawings listed under Type Examination documentation below.

Application/Limitation

Approved for use as a horizontal fire retarding division of class A-60.

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. 20020226 dated 16 May 2002 from Fire Insurers Laboratories of Korea (FILK), Gyeonggi-Do, Korea.

Drawing No. F-01A60S-9 dated 6 May 2002 (6 pages) from manufacturer.

Tests carried out

Tested according to IMO FTP Code 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 and MED Mark of Conformity (see first page).