DNV·GL

Certificate No:
MEDB00000S2

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, 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 "A" Class divisions, fire integrity

with type designation(s)
BIP W-A60R A-60 Class Bulkhead

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 **2021-02-16**.

Issued at **Høvik** on **2016-02-17**

for **DNV GL AS**

DNV GL local station:
Pusan

Approval Engineer:
Synnøve Bolstad Eri

Notified Body
No.: **0575**

Vidar Dolonen
Head of Notified Body

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Product description

"BIP W-A60R A-60 Class Bulkhead"
bulkhead panels composed of an insulation core consisting of three layers of mineral wool of thicknesses 25 mm + 50 mm + 25 mm, all of nominal density 140 kg/m3 (manufactured by KCC Corporation, Ltd., Korea). The panels are covered on both sides with 0.6 mm thick steel sheets (bonded with adhesive).

The panels are joined together by cap profiles on both unexposed and exposed side.

Total thickness of panels: 100 mm.

For further details, please see drawing listed under Type Examination documentation below.

Application/Limitation

Approved for use as a non-load bearing vertical fire retarding division of class A-60.

Max. panel size: 550 mm x 2480 mm (W x H)

The use of this product shall be limited to applications specifically approved by the Administration in question, see IMO 2010 FTP Code Annex 1, Part 3, Items 1.12 and 1.13. The construction shall in any case not be used as part of main fire zone bulkheads and stairways enclosures on passenger ships (see also IMO MSC/Circ.1005).

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 and use.

Type Examination documentation

Test report No. AK2015-0689 dated 10 December 2015 from Fire Insurers Laboratory of Korea (FILK), Korea.

Drawing No. F2015-WA60R-R0 dated 2 November 2015 from the manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see page 1).