DNV·GL

Certificate No:
MEDB0000014

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2013/52/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 "B" Class divisions, fire integrity

with type designation(s)
BIP-C-162 w/CEILING PULLMAN BED

Issued to
BIP Industries Co., Ltd.
Gyeongsangnam-do, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.11b and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2.3.4.4. and IMO 2010 FTP Code.

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

Høvik, 2015-07-01
for **DNV GL AS**

This Certificate is valid until
2020-06-30

Notified Body No.: **0575**

Petter Langnes
Head of Department

DNV GL local office:
Pusan

Ragnar Tonjer
Surveyor

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Product description
"BIP-C-162 w/CEILING PULLMAN BED"

A bed is incorporated in the BIP-C-162 type ceiling, inside a bed box cover made of 0.6 mm steel sheets covered by 30 mm mineral wool of density 200 kg/m³ (from KCC Corporation). Bed supports, made of 30x60 mm steel channels, are integrated in the long sides of the bed box and are running from bulkhead to bulkhead.

Maximum size of bed box cover: 2283 x 1060 x 240 (L x W x H).
Maximum weight of bed unit: 154 kg.

For details further details see drawings mentioned under Type Examination documentation below.

Application/Limitation
Approved for use as a horizontal continous fire retarding division of class B-15.

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 maintenance

Type Examination documentation
Test Report No. KOMERI-0402-15T0211 dated 2015-03-02 from Korea marine Equipment Research Institute (KOMERI).
Test Report No. 20040085 dated 2004-05-12 from F.I.L.K., Korea (reference test BIP C-162 ceiling).

Drawing No. F2015-C162P-R0 (8 sheets) dated 2014-12-23.

Test carried out
Tested according to IMO 2010 FTP Code Part 3.

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

Mark of Conformity
The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

USCG Approval
An 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.