DNV·GL

Certificate No:
MEDB00004KJ

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 "A" Class divisions, fire integrity

with type designation(s)
SPP-W-100, CLASS A-60 NON LOAD-BEARING BULKHEAD

Issued to
IKM DSC Engineering AS
HVALSTAD, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/3.11a. SOLAS 74 as amended, Regulation II-2/3.2 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1434

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

This Certificate is valid until **2023-12-12**.

Issued at **Høvik** on **2018-12-13**

DNV GL local station:
Oslo Maritime and CAP

Approval Engineer:
Marcin Tobiasz

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.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

NORWEGIAN ACCREDITATION PROD 019

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Product description

"SPP-W-100, Class A-60 Non Load-Bearing Bulkhead"
composed of wall panel constructed from 0.6 mm steel plates on each side of 98.5 mm mineral wool (rock wool) of density 140 kg/m^3 (manufactured by Byucksan Co., Ltd.). Both ends of each panel are insulated with 50 x 98.5 mm mineral wool of density 240 kg/m^3 (manufactured by KCC Corporation). Wall panels are joined together with H-profiles at ends.

Total thickness of panels: 100 mm.

The panels may be fitted with cable recess constructed of 0.6 mm steel plate, 100 mm x 23.5 mm.

For further details, see the drawing and test report listed under Type Approval documentation below.

Application/Limitation

Approved for use as a class A-60 non load-bearing bulkhead.

Max. size of panels: 600 mm x 2480 mm (B x H).

The use of this product shall be limited to applications specifically approved by the Administration in question, see IMO 2010 FTP Code part 3, Appendix 1, 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 maintenance.

Type Examination documentation

Test reports No KOMERI-0402-12T1350 dated 5 November 2012 from Korea Marine Equipment Research Institute (KOMERI), Busan, Korea.

Drawings attached into test report.

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 USCG approval number if applicable (see page 1).