DNV·GL

Certificate No:
MEDB000059M

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)
Steel Bulkhead A-60 (corrugated steel) with SeaRox SL 620

Issued to
Rockwool International A/S
Hedehusene, Denmark

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 **2024-07-15**.

Issued at **Høvik** on **2019-07-16**

DNV GL local station:
Copenhagen FIS

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Steel Bulkhead A-60 (corrugated steel) with SeaRox SL 620"
Is a corrugated steel bulkhead made from 4 mm steel with corrugation dimensions: 260x310x25 mm, pitch 570 mm. The bulkhead is insulated with two layers of mineral wool of type SeaRox SL 620 (100 kg/m^3) with thickness 30 mm (outer layer) and 50 mm (inner layer). The inner layer is installed in horizontal direction whereas the outer layer is installed in vertical direction.The insulation is fasten to the bulkhead with 3 mm steel pins and 38 mm washers (about 9.8 pins per square meter).

Alternatively, the steel bulkhead may be made from 2 mm steel with corrugation dimensions: 100X67.5X65 mm, pitch 335 mm. The bulkhead is insulated with two layers of mineral wool of type SeaRox SL 620 (100 kg/m3) with thickness 30 mm (outer layer) and 50 mm (inner layer). The inner layer is installed in horizontal direction whereas the outer layer is installed in vertical direction.The insulation is fasten to the bulkhead with 3 mm steel pins and 38 mm washers (about 15.8 pins per square meter).

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

Application/Limitation

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

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/application and maintenance

Type Examination documentation

Test Report No. 2013CS013207/1 dated 18 November 2013 and No. 2013CS013207/5 dated 6 June 2014 from RINA, Italy.

Drawing No. 2013-34 and No. 2013-37 both dated 26 September 2013 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 and address of manufacturer, type designation, fire technical rating, MED Mark of Conformity and USCG approval number if applicable (see first page).