TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00002HC
Revision No:
0

This Certificate is issued by DNV UK Limited based on authorisation of the Maritime & Coast Guard Agency (MCA) as an UK Approved Body to undertake conformity assessments on marine equipment in accordance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016 as amended.

This is to certify:

That the A & B Class divisions fire integrity: A class divisions.

with type designation(s)
A-30 Bulkhead, Steel with SeaRox SL 620

Issued to
Rockwool A/S
Hedehusene, **Denmark**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **MSN 1874 Amendment 6,**
Item No. UK/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, IMO MSC.1/Circ.1435.

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

This Certificate is valid until **2027-02-23**.

Issued at **London** on **2023-01-05**

for **DNV UK Ltd.**

DNV local unit:
Denmark CMC

Approval Engineer:
Timo Linn

Approved Body No.: **0097**

Christine Mydlak-Röder
MER Service Responsible

Maritime & Coastguard Agency
UK Approved Body Authorised by the MCA

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-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body. The product liability rests with the manufacturer or his representative in accordance with the Merchant Shipping (Marine Equipment) Regulations 2016.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV UK Ltd. of any changes to the approved equipment. 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. This certificate remains valid unless suspended, withdrawn, re-called, or cancelled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

"A-30 Bulkhead, Steel with SeaRox SL 620"
Composed of structural steel bulkhead insulated on the unexposed side with minimum 40 mm thick mineral wool, type "SeaRox SL 620" (density 100-130 kg/m^3) between the stiffeners and with minimum 25 mm thick the same insulation around the stiffeners.

The insulation is fixed to the bulkhead by means of standard Ø 3 mm pins in combination with minimum 30 mm diameter steel clips (spring washers).

Distance between pins on stiffeners and pins on the bulkhead is approximately 300 mm.

For further details see reports and drawings listed under Type Examination documentation.

Application/Limitation

Approved for use as a vertical fire retarding division of class A-30.

The insulation materials and adhesives used have to be approved according to the Marine Equipment Regulation 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. PGA10944A dated 21 December 2016 from Danish Institute of Fire and Security Technology, Hvidovre, Denmark.

Assessment reports No. PHA10906A, PHA10906B, PHA10906C, PHA10906D and PHA10906E dated 22 February 2017 from Danish Institute of Fire and Security Technology, Hvidovre, Denmark.

Drawings No. 522 dated 21 December 2016 and from 421-1 to 421-4 all dated 09 February 2017 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, UK Mark of Conformity (see page 1).