TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00007Z7
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)
Class A-60 Aluminium Deck with 'SeaRox FB 6050' or 'SeaRox FM 6050'

Issued to
Rockwool A/S
Hedehusene, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Regulation **MSN 1874 Amendment 7,**
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.1434,1435; IMO MSC.1/Circ.1616, 1621

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

This Certificate is valid until **2027-04-07**.

Issued at **London** on **2023-07-25**

for **DNV UK Ltd.**

DNV local unit:
Sweden CMC

Approval Engineer:
Tessa Biever

Approved Body No.: **0097**

Christine Mydlak-Roeder
MER Service Responsible

Maritime & Coastguard Agency
UK Approved Body Authorised by the MCA

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.
During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.
"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. In case limitations of use apply, these should be indicated in the Annex.

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

Class A-60 Aluminium Bulkhead with 'SeaRox FB 6050' or 'SeaRox FM 6050'
Composed of structural aluminium bulkhead insulated with one layer of 75 mm thick mineral wool of type 'SeaRox FB 6050' or 'SeaRox FM 6050' (manufactured by Rockwool with nominal density 70 kg/m^3) between and around the stiffeners. The cavity of the stiffeners is fully filled out with the same insulation material.

The insulation is held in place using 3 mm steel pins (ALU tipped) with Ø38 mm steel washers welded with a c/c 300 mm in both longitudinal as transversal direction.

Alternatively, the insulation material and stiffener design (ref. SOLAS II-2/9.3.4) may be in accordance with drawing no. 1000-2 as listed below.

For further details see drawings listed under Type Examination documentation.

Application/Limitation

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

Restricted application: Fire from the insulated side

The insulation materials and adhesives used have to be approved according to the Marine Equipment Regulations and bear the UK 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. PGB10154A dated 23 November 2021 from DBI, Hvidovre, Denmark.

Assessment report No. PHD10051A dated 23 February 2022 (valid to 28 February 2027) from DBI, Hvidovre, Denmark.

Drawing No. 2021009 dated 14 November 2021 from manufacturer.
Drawing No. 1000-2 dated 30 November 2021 from 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 and the UK Mark of Conformity (see first page).