

TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MERB00001VR
Revision No:
1

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 Surface materials and floor coverings with low flame-spread characteristics: decorative veneers

with type designation(s)
SeaRox / ProRox insulation with surface materials

Issued to

Rockwool A/S
Hedehusene, Denmark

is found to comply with the requirements in the following Regulations/Standards:

Regulation **MSN 1874 Amendment 7**,
item No. UK/3.18a. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

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

This Certificate is valid until **2025-12-01**.

Issued at **London** on **2023-08-24**

DNV local unit:
Denmark CMC



for **DNV UK Ltd.**

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

“SeaRox / ProRox insulation with surface materials”.

Stone wool marketed under the trade names of SeaRox and ProRox in forms of slabs, mats, wired mats, lamella mats and pipe sections, having a nominal minimum density 25 kg/m³.

Trade names: SeaRox and ProRox according to the given non-combustibility certificate.

The base insulation material consists of stone wool with different density that are tested and approved non-combustible types. The insulation can be faced with:

Product	Description	Fixing	Specification of surface layer
ALU	Reinforced aluminium foil.	Glued or stitched to the insulation.	12-18 µm (aluminium layer) 69-84 g/m ² (total weight)
ALU-G and GW-A	White woven glass cloth and 18 µm aluminium foil	Glued to the insulation.	18 µm (total thickness) 270 g/m ² (total weight)
ALU-G1	Aluminium foil laminated with woven glass cloth beneath	Glued to the insulation.	10 µm (aluminium layer) 116 g/m ² (glass cloth) 137 g/m ² (total weight)
GW 200	White woven glass cloth	Glued to the insulation or loose fitted.	210-220 g/m ² (total weight)
GW 400	White woven glass cloth	Glued to the insulation or loose fitted.	430-450 g/m ² (total weight)
TB/TN	Black or white/neutral non-woven glass tissue	Glued to the insulation.	60-70 g/m ² (total weight)
SeaRox Acoustic foil	Transparent film	Film covered by 1 mm perforated steel or aluminium plate on the insulation.	19 µm (total thickness)
SeaRox S337 Alu Tape	Alu tape	Taped	60 µm (total thickness)
SeaRox Glass Cloth Tape 120	White woven glass fibre tape with aluminium adhesive side	Taped	120 µm (thickness) 120 g/m ² (glass cloth)

Application/Limitation

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use on non-metallic, non-combustible substrate with minimum density of 25 kg/m³.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the Marine Equipment Regulations and bear the UK Mark of Conformity.

The product satisfies the requirement for maximum calorific value (ref. SOLAS Chapter II-2, Reg 5.3.2.2) without further testing.

Each product is to be supplied with its manual for installation and maintenance.

Type Examination documentation

Test report No. PFB10207B dated 27 April 2016 from DBI, Hvidovre, Denmark.
 Test report No. PFB10325Ab dated 12 April 2019 from DBI, Hvidovre, Denmark.
 Test report No. PFB10349A dated 20 May 2019 from DBI, Hvidovre, Denmark.
 Test report No. PFB10349C dated 21 May 2019 from DBI, Hvidovre, Denmark.
 Test report No. PFB10427A dated 29 September 2020 from DBI, Hvidovre, Denmark.
 Test report No. PFB10431A dated 6 November 2020 from DBI, Hvidovre, Denmark.
 Test report No. PFB10370AA dated 12 November 2019 from DBI, Hvidovre, Denmark.
 Test report No. PFB10347A dated 13 November 2019 from DBI, Hvidovre, Denmark.
 Test report No. PFB10370T1 dated 19 December 2019 from DBI, Hvidovre, Denmark.
 Test report No. PFB10454A dated 9 February 2021 from DBI, Hvidovre, Denmark.



Job Id: **AA003BV9**
Certificate No: **MERB00001VR**
Revision No: **1**

Test report No. PFB10423A dated 1 December 2021 from DBI, Hvidovre, Denmark.
Test report No. PFB10308C dated 7 August 2018 from DBI, Hvidovre, Denmark.
Test report No. PFB10320A dated 22 November 2018 from DBI, Hvidovre, Denmark.
Test report No. PFB10308E dated 7 August 2018 from DBI, Hvidovre, Denmark.
Test report No. DO-20-1779\C-R1 dated 6 March 2020 from CREPIM, Bruay-La-Buissière, France.
Test report No. DO-20-2143\A-R1 dated 6 October 2020 from CREPIM, Bruay-La-Buissière, France.
Test report No. PFB10587A dated 27 February 2023 from DBI, Hvidovre, Denmark.

Tests carried out

Tested according to IMO 2010 FTP Code part 5 and Annex 2 item 2.2 and 2.3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation and the UK Mark of Conformity (see first page).