



# TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MERB00001VR**  
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 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 6,**  
**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 **2023-01-12**

DNV local unit:  
**Denmark CMC**



for **DNV UK Ltd.**

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 This certificate remains valid unless suspended, withdrawn, re-called, or cancelled.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

“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/m<sup>3</sup>.

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 <sup>2</sup> (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 <sup>2</sup> (total weight)
ALU-G1	Aluminium foil laminated with woven glass cloth beneath	Glued to the insulation.	10 µm (aluminium layer) 116 g/m <sup>2</sup> (glass cloth) 137 g/m <sup>2</sup> (total weight)
GW 200	White woven glass cloth	Glued to the insulation or loose fitted.	210-220 g/m <sup>2</sup> (total weight)
GW 400	White woven glass cloth	Glued to the insulation or loose fitted.	430-450 g/m <sup>2</sup> (total weight)
TB/TN	Black or white/neutral non-woven glass tissue	Glued to the insulation.	60-70 g/m <sup>2</sup> (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)

## 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/m<sup>3</sup>.

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 Regulation 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 06 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 09 February 2021 from DBI, Hvidovre, Denmark.



Job Id: **AA0020ZY**  
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Test Report No. PFB10423A dated 01 December 2021 from DBI, Hvidovre, Denmark.  
Test Report No. PFB10308C dated 07 August 2018 from DBI, Hvidovre, Denmark.  
Test Report No. PFB10320A dated 22 November 2018 from DBI, Hvidovre, Denmark.  
Test Report No. PFB10308E dated 07 August 2018 from DBI, Hvidovre, Denmark.  
Test Report No. DO-20-1779\C-R1 dated 06 March 2020 from CREPIM, Bruay-La-Buissière, France.  
Test Report No. DO-20-2143\A-R1 dated 06 October 2020 from CREPIM, Bruay-La-Buissière, France.

### **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, fire-technical rating, UK Mark of Conformity (see page 1).