

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:  
**MEDB0000B73**  
Revision no.:  
**0**

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 AS under the authority of the Government of Norway.

## 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 Danmark A/S**  
**Hedehusene, Denmark**

is found to comply with the Implementing Regulation (EU) 2025/1533 for  
Item no. **MED/3.18a** (Row 1 of 1)  
according to the following requirements:

**IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7, IMO MSC/Circ.1120, SOLAS 74 Reg. II-2/3, SOLAS 74 Reg. II-2/5, SOLAS 74 Reg. II-2/6, SOLAS 74 Reg. X/3**

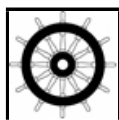
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-11-18**

Expiry date: **2030-11-17**

DNV local unit:  
**Denmark CMC**

Approval Engineer:  
**Kristin Grønnæss Hovden**



Notified Body  
no.: **0575**



for **DNV AS**

*Digitally Signed By:*

**Christine Mydlak-Röder**

**Christine Mydlak-Röder**  
**Head of Notified 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-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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

**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 USD 300 000.

## 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:

1. "ALU":

Reinforced aluminium foil (thickness 12-18 µm, total weight 70-86 g/m<sup>2</sup>) glued or stitched to the insulation.

2. "ALU-G":

Aluminium foil laminated with glass cloth beneath (thickness of aluminium foil 18 µm, total thickness 220-250 µm, total weight 270 g/m<sup>2</sup>) glued or loose fitted to the insulation

3. "GW-A"

White woven glass cloth laminated with 18 µm aluminium foil beneath (total thickness 220-250 µm, total weight 270 g/m<sup>2</sup>) glued or loose fitted to the insulation.

4. "GW 200"

White woven glass cloth (total weight 210-220 g/m<sup>2</sup>) glued or loose fitted to the insulation.

5. "GW 400"

White woven glass cloth (total weight 430-450 g/m<sup>2</sup>) glued or loose fitted to the insulation.

6. "TN"

White/neutral non-woven glass tissue (total weight 60 g/m<sup>2</sup>) glued to the insulation.

7. "TB"

Black non-woven glass tissue (total weight 60-75 g/m<sup>2</sup>) glued to the insulation.

8. "SeaRox Acoustic foil"

Transparent film (thickness 19 µm) covered by 1 mm perforated steel or aluminium plate on the insulation.

9. "SeaRox Tape ALU (SeaRox S337 Alu Tape)"

Plain aluminium tape (thickness 0.03 mm) taped to the insulation.

10. "SeaRox Tape GW-A"

White glass fibre tape with aluminium foil beneath (thickness 0.12 mm, weight glass cloth 120 g/m<sup>2</sup>) taped to the insulation.

11. "SeaRox Tape ALU-G"

Aluminium tape reinforced with glass cloth beneath (thickness 0.17 mm, total weight 270 g/m<sup>2</sup>) taped to the insulation.

## Application/Limitation

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

"TN" approved for use on non-combustible, non-metallic substrate with minimum density of 34 kg/m<sup>3</sup>;

"TB" approved for use on non-combustible, non-metallic substrate with minimum density of 60 kg/m<sup>3</sup>;

Otherwise, approved for use on non-combustible, non-metallic 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 Directive and bear the 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.



Certificate no.: **MEDB0000B73**  
Revision no.: **0**

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

## **Type Examination documentation**

Please see Appendix: Type Examination Documentation

## **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, the Mark of Conformity and USCG approval number, if applicable (see first page).

# APPENDIX

## Type Examination documentation

Certificate no.:  
**MEDB0000B73**  
Revision no.:  
**0**

Document No.	Rev.	Title
PFB10207B		Test report dated 27 April 2016 from DBI, Hvidovre, Denmark.
PFB10325Ab		Test report dated 12 April 2019 from DBI, Hvidovre, Denmark.
PFB10349A		Test report dated 20 May 2019 from DBI, Hvidovre, Denmark.
PFB10349C		Test report dated 21 May 2019 from DBI, Hvidovre, Denmark.
PFB10427A		Test report dated 29 September 2020 from DBI, Hvidovre, Denmark.
PFB10370AA		Test report dated 12 November 2019 from DBI, Hvidovre, Denmark.
PFB10347A		Test report dated 13 November 2019 from DBI Hvidovre, Denmark.
PFB10370T1		Test report dated 19 December 2019 from DBI, Hvidovre, Denmark.
PFB10454A		Test report dated 9 February 2021 from DBI, Hvidovre, Denmark.
PFB10423A		Test report dated 1 December 2020 from DBI, Hvidovre, Denmark.
PFB10308C		Test report dated 7 August 2018 from DBI, Hvidovre, Denmark.
PFB10320A		Test report dated 22 November 2018 from DBI, Hvidovre, Denmark.
PFB10308E		Test report dated 7 August 2018 from DBI, Hvidovre, Denmark.
DO-20-1779\C-R1		Test report dated 6 March 2020 from CREPIM, Bruay-La-Buissière, France.
DO-20-2143\A-R1		Test report dated 6 October 2020 from CREPIM, Bruay-La-Buissière, France.
PFB10587A		Test report dated 13 February 2023 from DBI, Hvidovre, Denmark.
PFB10610A		Test report dated 19 October 2023 from DBI, Hvidovre, Denmark.
PFB10613A		Test report dated 16 November 2013 from DBI, Hvidovre, Denmark.
PFB10608A		Test report dated 13 September 2023 from DBI, Hvidovre, Denmark.
PFB10617A		Test report dated 7 December 2023 from DBI, Hvidovre, Denmark.
PFB10658A		Test report dated 12 August 2024 from DBI, Hvidovre, Denmark.
PFB10658B		Test report dated 12 August 2024 from DBI, Hvidovre, Denmark.
PFB10682A		Test report dated 12 December 2024 from DBI, Hvidovre, Denmark.