

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00001Z8
Revision No:
16

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 Non-combustible materials

with type designation(s)
SeaRox - ProRox

Issued to

Rockwool A/S
Hedehusene, Denmark

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

Regulation (EU) 2023/1667,

item No. MED/3.13. SOLAS 74 as amended, Regulation II-2/3 II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code

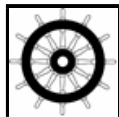
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-02-15**.

Issued at **Høvik** on **2023-11-09**

DNV local unit:
Denmark CMC

Approval Engineer:
Tessa Bieber



Notified Body
No.: **0575**



for **DNV AS**

Digitally Signed By:
Kristin Grønnæss Hovden
Location: DNV AS, Høvik,
Norway
on behalf of

Sverre Olav Bergli
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2023 dated August 21st, 2023.



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 300,000 USD.



Product description

“SeaRox – ProRox”

Stone wool products in form of slabs, mats, wired mats, lamella mats and pipe sections.

For further information about trade names and approved densities see Appendix to this certificate.

Application/Limitation

Approved for use as non-combustible materials.

Max. nominal organic content: See Appendix.

The product may be used as an integrated part of approved fire resisting divisions only when tested as such.

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

Type Examination documentation

See appendix to this certificate.

Tests carried out

Tested according to IMO 2010 FTP Code part 1.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG approval number if applicable (see first page).

Appendix to MEDB00001Z8 Rev.16

Product description

Trade names, form, density and supporting test reports:

Trade name	Form	Density [kg/m ³]	Test report
SeaRox SL 300 – 390 (max. nominal organic content: 2.3%)	Slab	55 – 80	PFB10052a dated 2012-11-19 from DBI, Hvidovre, Denmark
SeaRox SL 400 – 490 (max. nominal organic content: 4.0 %)	Slab	100 – 240	PFB10052b dated 2012-11-19 from DBI, Hvidovre, Denmark PFB10089a dated 2013-10-09 from DB, Hvidovre, Denmark
SeaRox SL 600 – 630 (max. nominal organic content: 1.1 %)	Slab	80 – 130	PFB10081 dated 2013-08-08 from DBI, Hvidovre, Denmark PFB10032 dated 2012-08-20 from DBI, Hvidovre, Denmark PFB10469a dated 2021-04-19 from DBI, Hvidovre, Denmark
SeaRox SL 640-660 (max. nominal organic content: 1.4%)	Slab	130 – 150	PFB10052c dated 2012-11-19 from DBI, Hvidovre, Denmark PFB10334a dated 2019-08-16 from DBI, Hvidovre, Denmark
SeaRox ST 620 (max. nominal organic content: 3.0%)	Slab	100	PFB10344A dated 2019-05-02 from DBI, Hvidovre, Denmark
SeaRox SL 700 – 790 (max. nominal organic content: 2.2%)	Slab	32 – 55	PFB10089b dated 2013-10-09 from DBI, Hvidovre, Denmark PFB10052d dated 2012-11-19 from DBI, Hvidovre, Denmark
SeaRox WM 600 (max. nominal organic content: 2.1%) SeaRox WM 610 – 690 (max. nominal organic content: 0.9%)	Wired Mat	90 – 150	PFB10028 dated 2012-08-20 from DB, Hvidovre, Denmark 2013CS011111/1+2 dated 2013-05-07 from RINA, Italy PFB10089c dated 2013-10-09 from DBI, Hvidovre, Denmark
SeaRox/ProRox WM 900 – 990 (max. nominal organic content: 1.5%)	Wired Mat	80 – 130	PFB10052e dated 2012-11-19 from DBI, Hvidovre, Denmark
SeaRox MA 700 – 790 (max. nominal organic content: 2.4%)	Mat	27 – 55	PFB10047a dated 2012-10-30 from DBI, Hvidovre, Denmark PFB10047b dated 2012-10-30 from DBI, Hvidovre, Denmark
SeaRox MA 7000 (max. nominal organic content: 2.2%)	Mat	26	PFB10308A dated 2018-09-13 from DB, Hvidovre, Denmark
SeaRox LM 900 – 990 (max. nominal organic content: 1.6%)	Lamella Mat	32 – 45	PFB10026 dated 2012-04-30 from DBI, Hvidovre, Denmark
ProRox PS 930 – 990 (max. nominal organic content: 4%)	Pipe Section	100 – 140	PFB10089d dated 2013-10-09 from DBI, Hvidovre, Denmark PFB10079a dated 2013-08-06 from DBI, Hvidovre, Denmark 320946 dated 2012-09-14 from Exova Warringtonfire, UK PFB10169c dated 2015-07-06 from DBI, Hvidovre, Denmark PFB10242A dated 2016-12-21 from DBI, Hvidovre, Denmark
ProRox SL 920-980 UK (max. nominal organic content: 2.0%)	Slab	39 – 145	PFB10140a dated 2014-12-17 from DBI, Hvidovre, Denmark PFB10140b dated 2014-12-17 from DBI, Hvidovre, Denmark PFB10140c dated 2014-12-17 from DBI, Hvidovre, Denmark
SeaRox FB 6010 SeaRox FB 6020 SeaRox FB 6040 SeaRox FB 6050 (max. nominal organic content: 1.1%)	Slab	35 – 70	PFB10165E dated 2015-05-13 from DBI, Hvidovre, Denmark PFB10165A dated 2015-04-29 from DBI, Hvidovre, Denmark PFB10165F dated 2015-05-13 from DBI, Hvidovre, Denmark PFB10165B dated 2015-04-29 from DBI, Hvidovre, Denmark
SeaRox FM 6020 (max. nominal organic content: 1.1 %)	Mat	40	PFB10580A dated 2023-01-03 from DBI, Hvidovre, Denmark
SeaRox FM 6030 (max. nominal organic content: 1.1%)	Mat	50	PFB10182B dated 2015-11-30 from DBI, Hvidovre, Denmark
SeaRox FM 6040 (max. nominal organic content: 1.1%)	Mat	65	PFB10182A dated 2015-11-06 from DBI, Hvidovre, Denmark
SeaRox FM 6050 (max. nominal organic content: 1.1%)	Mat	70	PFB10267A dated 2017-07-31 from DBI, Hvidovre, Denmark
ProRox LF 970 (max. nominal organic content: 0.6%)	Loose Fill	25 – 200*)	PFB10235A dated 2016-10-18 from DBI, Hvidovre, Denmark
SeaRox SL 950 (max. nominal organic content: 1.5%) SeaRox SL 960 (max. nominal organic content: 1.5%)	Slab	80-145	PFB10220A dated 2016-05-20 from DBI, Hvidovre, Denmark PFB10255A dated 2017-04-26 from DBI, Hvidovre, Denmark



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SeaRox SL 970 (max. nominal organic content: 1.2%) SeaRox SL 980 (max. nominal organic content: 1.2%)			
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*)Loose Fill is typically used to fill (irregularly formed) shapes, gaps etc.
It is supplied in low density to the customer but it can be stuffed in high densities.