

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000128
Revision No:
1

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 GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Non-combustible materials

with type designation(s)
SeaRox - ProRox

Issued to

Rockwool International A/S
HEDEHUSENE, Denmark

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

Regulation **(EU) 2015/559,**

Annex A.1, item No. A.1/3.13 and Annex B, Module B in the Directive; 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

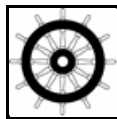
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-03-05**.

Issued at **Høvik** on **2017-03-06**

DNV GL local station:
Copenhagen

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
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.

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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-004158-5**
Certificate No: **MEDB00001Z8**
Revision No: **1**

Product description

"SeaRox – ProRox"

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

Products having densities from 25 – 240 kg/m³.

For further information about trade names and density see appendix to this certificate.

Application/Limitation

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).

Job Id: **344.1-004158-5**
 Certificate No: **MEDB00001Z8**
 Revision No: **1**

Appendix Rev. 5 to MEDB00001Z8 Rev.1

Product description

Trade names, form, density and test reports:

Trade name	Form	Density (kg/m ³)	Test report
SeaRox SL 300 – 390	Slab	55 – 80	PFB10052a dated 2012-11-19 from DBI
SeaRox SL 400 – 490	Slab	100 – 240	PFB10052b dated 2012-11-19 from DBI PFB10089a dated 2013-10-09 from DBI
SeaRox SL 600 – 690	Slab	100 – 150	PFB10081 dated 2013-08-08 from DBI PFB10032 dated 2012-08-20 from DBI PFB10052c dated 2012-11-19 from DBI
SeaRox SL 700 – 790	Slab	32 – 55	PFB10089b dated 2013-10-09 from DBI PFB10052d dated 2012-11-19 from DBI
SeaRox WM 600 – 690	Wired Mat	90 – 150	PFB10028 dated 2012-08-20 from DBI 2013CS011111/1+2 dated 2013-05-07 from RINA PFB10089c dated 2013-10-09 from DBI
SeaRox/ProRox WM 900 – 990	Wired Mat	80 – 130	PFB10052e dated 2012-11-19 from DBI
SeaRox MA 700 – 790	Mat	27 – 55	PFB10047a dated 2012-10-30 from DBI PFB10047b dated 2013-10-30 from DBI
SeaRox LM 900 – 990 ALU	Lamella Mat	32 – 45	PFB10026 dated 2012-04-30 from DBI
ProRox PS 960 – 990	Pipe Section	100 – 140	PFB10089d dated 2013-10-09 from DBI PFB10079a dated 2013-08-06 from DBI 320946 dated 2012-09-14 from Exova Warringtonfire
ProRox SL 920-980	Slab	39 – 145	PFB10140a (Serial No. 14880) dated 2014-12-17 from DBI PFB10140b (Serial No. 14881) dated 2014-12-17 from DBI PFB10140c (Serial No. 14882) dated 2014-12-17 from DBI
SeaRox FB 6010 SeaRox FB 6020 SeaRox FB 6040 SeaRox FB 6050	Slab	35 – 70	PFB10165E dated 2015-05-13 from DBI PFB10165A dated 2015-04-29 from DBI PFB10165F dated 2015-05-13 from DBI PFB10165B dated 2015-04-29 from DBI
SeaRox FM 6030 ALU (max. organic content: 1.1%)	Mat	50	PFB10182B dated 2015-11-30 from DBI Danish Intitute of Fire and Security Tech
SeaRox FM 6040 ALU (max. organic content: 1.1%)	Mat	65	PFB10182A dated 2015-11-06 from DBI Danish Intitute of Fire and Security Tech
ProRox LF 970 (max. organic content: ≤0.3%)	Loose Fill	25 – 200*)	PFB10235A dated 2016-10-18 from DBI Danish Intitute of Fire and Security Tech

*) 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.