



Marine & Offshore
Division

Certificate number: 19959/B0 BV
File number: ACI 1000/353/022-025, 027
Product code: 5210H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

Rockwool International A/S

Hedehusene - DENMARK

for the type of product

NON-COMBUSTIBLE MATERIALS

SeaRox Mineral wools

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships Part C chapter 4
SOLAS 74 Convention, as amended, Regs.II.2/3.33
IMO Res MSC.307(88) (2010 FTP Code)
IMO Res. MSC.61(67)-(FTP Code) with IMO Res MSC.307(88) (2010 FTP Code) article 8
IMO MSC/Circ. 1120

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 05 Feb 2021

For BUREAU VERITAS,

At BV FREDERICIA, on 05 Feb 2016,

Jesper Jensen



This certificate is recognized by Transport Canada

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Mineral wools with following designations :

Trade name	Composition	Nominal density of wool (kg/m ³)	Nominal organic content (%)
SeaRox MA 700	Stone wool mat	27	N/A
SeaRox MA 700 GS	Stone wool mat faced with glass fibre net (20 g/m ²)	27	N/A
SeaRox MA 700 ALU	Stone wool mat faced with aluminium foil (86 g/m ²)	29	N/A
SeaRox SL 720	Stone wool slab	32	N/A
SeaRox SL 740	Stone wool slab	45	1.8
SeaRox SL 620	Stone wool slab	100-115	N/A
SeaRox SL 970	Stone wool slab	110	N/A
SeaRox SL 340	Stone wool slab	80	2.2
SeaRox SL 436	Stone wool slab	140	1.4
SeaRox SL 440	Stone wool slab	150	2.8
SeaRox SL 480	Stone wool slab	200	# 2.5
SeaRox WM 950	Stone wool faced on one side with 1" galvanized wire net	80	N/A
SeaRox WM 620	Stone wool faced on one side with 1" galvanized wire net	90	N/A
SeaRox WM 640	Stone wool faced on one side with 1" galvanized wire net	105	0.95
SeaRox LM 920	Stone wool lamellas	45	N/A
SeaRox LM 900	Stone wool lamellas	32	N/A

2. DOCUMENTS AND DRAWINGS :

Technical data sheets dated June 2012.

3. TEST REPORTS :

Trade name	Test report N°	Testing laboratories	Date of test report	Applicable reference document
SeaRox MA 700	PF 11813b	DIFT	29.4.2004	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox MA 700 GS	PF 11813b	DIFT	29.4.2004	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]

Trade name	Test report N°	Testing laboratories	Date of test report	Applicable reference document
SeaRox MA 700 ALU	PF 11709c	DIFT	19.5.2004	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 720	PF 11673 and PF 12489	DIFT	4.2.2004 and 3.1.2007	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 740	PFB10052d	DBI	19.11.2012	FTP Code 2010 Annex 1 Part 1
SeaRox SL 620	1155366 1A	Bureau Veritas	3.3.2004	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 620	PF 12803	DIFT	25.3.2008	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 620	PF 12484	DIFT	11.12.2006	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 970	PF 12803	DIFT	25.3.2008	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 340	PF11892	DIFT	12.11.2004	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 340	PFB10052a	DBI	19.11.2012	FTP Code 2010 Annex 1 Part 1
SeaRox SL 436	PFB10052b	DBI	19.11.2012	FTP Code 2010 Annex 1 Part 1
SeaRox SL 440	PF11672	DIFT	28.1.2004	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox SL 440	PFB10125	DBI	03.09.2014	FTP Code 2010 Annex 1 Part 1
SeaRox SL 480	PFB10132	DBI	27.10.2014	FTP Code 2010 Annex 1 Part 1
SeaRox SL 480	PF11992	DIFT	3.2.2005	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox WM 950	PF12315	DIFT	1.2.2006	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox WM 950	PF11572c	DIFT	30.9.2003	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox WM 620	PF12232	DIFT	1.2.2006	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox WM 640	2013CS011111/1	RINA	07.05.2013	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox LM 920	PF11572d	DIFT	30.9.2003	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox LM 900	PF12482	DIFT	04.12.2006	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]

4. APPLICATION / LIMITATION :

The fitting aboard to be the same as used for the test.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The "SeaRox mineral wools" are to be supplied by "Rockwool International A/S" in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320.

5.3 - "Rockwool International A/S" has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products :

**Rockwool International A/S
Hovedgade 584
2640 Hedehusene
DENMARK**

6. MARKING OF PRODUCT :

The product or packing is to be marked with manufacturer name, type, designation and fire-technical rating.

7. OTHERS :

7.1 - It is the manufacturer's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate supersedes certificate 19959/A1 BV issued on, June 7th, 2012 by the Society.

***** END OF CERTIFICATE *****