



Marine & Offshore

Certificate number: 19959/C0 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 Marine & Offshore 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: 03 Jun 2026

For Bureau Veritas Marine & Offshore,

At BV FREDERICIA, on 03 Jun 2021,

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 Marine & Offshore. 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 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 Marine & Offshore 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 :

“SeaRox” insulating materials of mineral wool formed as slabs (SL), boards (FB), mats (MA), lamella mats (LM) with reinforced aluminium foil top layer, wired mats (WM) with wire mesh.

Trade name	Composition	Nominal density of wool (kg/m ³)	Nominal organic content (%)
SeaRox MA 7000	Stone wool mat faced with aluminium foil (12-18 µm, 69-84 g/m ²)	26	3.75 (including alu foil)
SeaRox MA 720	Stone wool mat	32	1.8
SeaRox MA 740	Stone wool mat	45	1.8
SeaRox SL 720	Stone wool slab	32	2.2
SeaRox SL 740	Stone wool slab	45	1.9
SeaRox SL 320	Stone wool slab	60	2.2
SeaRox SL 340	Stone wool slab	80	2.2
SeaRox SL 620	Stone wool slab	100	1.1
SeaRox SL 640	Stone wool slab	130	1.5
SeaRox SL 436	Stone wool slab	140	1.4
SeaRox SL 440	Stone wool slab	150	2.8
SeaRox SL 660	Stone wool slab	150	1.4
SeaRox SL 480	Stone wool slab	200	2.5
SeaRox LM 900 ALU	Stone wool lamellas faced with aluminium foil (12-18 µm, 69-84 g/m ²)	32	1.6
SeaRox WM 950	Stone wool faced on one side with 1" galvanized wire net	80	0.9
SeaRox WM 620	Stone wool faced on one side with 1" galvanized wire net	90	0.9
SeaRox WM 640	Stone wool faced on one side with 1" galvanized wire net	105	0.95
SeaRox WM 660	Stone wool faced on one side with 1" galvanized wire net	150	0.8

Trade name	Composition	Nominal density of wool (kg/m ³)	Nominal organic content (%)
SeaRox FB 6020	Stone wool board	40	1.1
SeaRox FB 6040	Stone wool board	60	1.1
SeaRox FB 6050	Stone wool board	70	1.1

2. DOCUMENTS AND DRAWINGS :

Trade name	Technical data sheet
SeaRox MA 7000	dated 24/09/2018
SeaRox MA 720	dated 01/02/2019
SeaRox MA 740	dated 01/02/2019
SeaRox SL 720	dated 01/02/2019
SeaRox SL 740	dated 01/02/2019
SeaRox SL 320	dated 01/02/2019
SeaRox SL 340	dated 01/02/2019
SeaRox SL 620	dated 01/12/2017
SeaRox SL 640	dated 01/12/2017
SeaRox SL 436	dated 01/12/2017
SeaRox SL 440	dated 01/02/2019
SeaRox SL 660	dated 01/02/2019
SeaRox SL 480	dated 01/02/2019
SeaRox LM 900 ALU	dated 18/04/2018
SeaRox WM 950	dated 01/12/2017
SeaRox WM 620	dated 01/02/2019
SeaRox WM 640	dated 01/12/2017
SeaRox WM 660	dated 01/02/2019
SeaRox FB 6020	dated 02/10/2018
SeaRox FB 6040	dated 02/10/2018
SeaRox FB 6050	dated 02/10/2018

3. TEST REPORTS :

Trade name	Test report N°	Testing laboratories	Date of test report	Applicable reference document
SeaRox MA 7000	PFB10284A	DBI	08.12.2017	FTP Code 2010 Annex 1 Part 1
SeaRox MA 720	PFB10047a	DBI	30.10.2012	FTP Code 2010 Annex 1 Part 1
SeaRox MA 740	PFB10047b	DBI	30.10.2012	FTP Code 2010 Annex 1 Part 1
SeaRox SL 720	PFB10089b	DBI	09.10.2013	FTP Code 2010 Annex 1 Part 1
SeaRox SL 740	PFB10298A	DBI	16.04.2018	FTP Code 2010 Annex 1 Part 1
SeaRox SL 320	PFB10298B	DBI	16.04.2018	FTP Code 2010 Annex 1 Part 1
SeaRox SL 340	PFB10052a	DBI	19.11.2012	FTP Code 2010 Annex 1 Part 1
SeaRox SL 620	PFB10334F	DBI	24.05.2019	FTP Code 2010 Annex 1 Part 1
SeaRox SL 640	PFB10334A	DBI	16.08.2019	FTP Code 2010 Annex 1 Part 1
SeaRox SL 436	PFB10334E	DBI	22.02.2019	FTP Code 2010 Annex 1 Part 1
SeaRox SL 440	20669051-10	DMT	24.07.2017	FTP Code 2010 Annex 1 Part 1
SeaRox SL 660	PFB10052c	DBI	19.11.2012	FTP Code 2010 Annex 1 Part 1
SeaRox SL 480	PFB10195C	DBI	12.01.2016	FTP Code 2010 Annex 1 Part 1
SeaRox LM 900	PFB10026	DBI	30.04.2012	FTP Code 2010 Annex 1 Part 1
SeaRox WM 950	PFB10052e	DBI	19.11.2012	FTP Code 2010 Annex 1 Part 1
SeaRox WM 620	PFB10334B	DBI	16.08.2019	FTP Code 2010 Annex 1 Part 1
SeaRox WM 640	2013CS011111/1	RINA	07.05.2013	FTP Code Annex 1 Part 1 [IMO Resolution A.799(19)]
SeaRox WM 660	PFB10089c	DBI	09.10.2013	FTP Code 2010 Annex 1 Part 1
SeaRox FB 6020	PFB10165A	DBI	29.01.2015	FTP Code 2010 Annex 1 Part 1
SeaRox FB 6040	PFB10165F	DBI	13.05.2015	FTP Code 2010 Annex 1 Part 1
SeaRox FB 6050	PFB10165B	DBI	29.04.2015	FTP Code 2010 Annex 1 Part 1

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 and as such does not require a BV product certificate.

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

5.4 - For information, **Rockwool International A/S** has declared to Bureau Veritas the following production site(s):

Rockwool A/S
Rockwoolvej 2, Øster Doense
9500 Hobro
DENMARK

Roxul Rockwool Insulation India Pvt. Ltd.
Plot No.- Z/4, Dahej SEZ
District Bharuch, Dahej
INDIA

6. MARKING OF PRODUCT :

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

7. OTHERS :

7.1 - It is **Rockwool International A/S**'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 is the renewal of certificates 19959/B0 BV, 42898/A0 BV and 42899/A0 BV, respectively issued 05/02/2016, 07/11/2015 and 11/11/2015 by the Society.

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