



MARINE DIVISION

Certificate number: 19959/A1 BV

File number: ACI 1000/353/022

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:**

BV Rules Part C Chapter 4 - SOLAS 74, as amended, Chapter II.2

*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: 24 Aug 2015**

**For BUREAU VERITAS,**

At BV FREDERICIA, on 07 Jun 2012,

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 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:

<b>Trade name</b>	<b>Nominal density (kg/m3)</b>
SeaRox MA 700	27
SeaRox MA 700 GS	27
SeaRox MA 700 ALU	30
SeaRox SL 720	32
SeaRox SL 740	40
SeaRox SL 620	100
SeaRox SL 970	110
SeaRox SL 320	60
SeaRox SL 340	80
SeaRox SL 436	140
SeaRox SL 440	150
SeaRox SL 470	180
SeaRox SL 480	200
SeaRox WM 950	80
SeaRox WM 620	90
SeaRox WM 640	105
SeaRox LM 920	45
SeaRox LM 900	50

### **2. DOCUMENTS AND DRAWINGS :**

N/A.

### **3. TEST REPORTS :**

<b>Trade name</b>	<b>Test report</b>	<b>Testing laboratories</b>	<b>Date of test report</b>
SeaRox MA 700	PF 11813b	DIFT	29.4.2004
SeaRox MA 700 GS	PF 11813b	DIFT	29.4.2004
SeaRox MA 700 ALU	PF 11709c	DIFT	19.5.2004
SeaRox SL 720	PF 12489 and PF 11673	DIFT	3.1.2007/4.2.2004
SeaRox SL 740	98-CVB-R1121	TNO	11.1998

SeaRox SL 740	NN99.19.3	TÜV	7.9.1999
SeaRox SL 620	1155366 1A	Bureau Veritas	3.3.2004
SeaRox SL 620	PF 12803	DIFT	25.3.3008
SeaRox SL 620	PF 12484	DIFT	11.12.2006
SeaRox SL 970	PF 12803	DIFT	25.3.3008
SeaRox SL 320	22N010.10_99.163B	SINTEF	29.5.1999
SeaRox SL 340	PF11892	DIFT	12.11.2004
SeaRox SL 340	F10500	DIFT	17.11.1997
SeaRox SL 340	NN98.14.1	TÜV	20.6.2000
SeaRox SL 436	PH 11443	DIFT	15.10.1999
SeaRox SL 440	PF11672	DIFT	28.1.2004
SeaRox SL 440	NN99.19.7	TÜV	17.9.1999
SeaRox SL 470	GEN 1I990100A 06	Bureau Veritas	4.3.1999
SeaRox SL 470	1040499-1	Bureau Veritas	9.4.2002
SeaRox SL 470	PF11672	DIFT	28.1.2004
SeaRox SL 480	GEN 1I990100A 01	Bureau Veritas	4.3.1999
SeaRox SL 480	PF11992	DIFT	3.2.2005
SeaRox WM 950	PF12315	DIFT	1.2.2006
SeaRox WM 950	PF11572c	DIFT	30.9.2003
SeaRox WM 620	PF12232	DIFT	1.2.2006
SeaRox WM 640	846010.10-97.443	SINTEF	8.12.1997
SeaRox LM 920	PF11572d	DIFT	30.9.2003
SeaRox LM 900	PF12008	DIFT	12.4.2005

The tests are done according to IMO A799(19) resolution.

The test are carried out with old trade names including following:

Rockwool Marine Batts 27 - 55  
 Rockwool Marine Slabs 55 - 300  
 Rockwool Marine Firebatts 100 - 150  
 Rockwool Marine Wired Mats 35 - 150  
 Rockwool Marine Lamella Mats 32 - 45

#### **4. APPLICATION / LIMITATION :**

None.

**5. PRODUCTION SURVEY REQUIREMENTS :**

The products are to be manufactured, examined and tested by Rockwool International A/S in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end Rockwool International A/S has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

**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- This approval is given with the understanding that the manufacturer will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

7.2- This certificate supersedes certificates 19959 A/0 BV issued at 24.8.2010, 19960/A0 BV issued at 24.8.2010, 19961/A0 BV issued at 24.8.2010, 19962/A0 BV issued at 24.8.2010, and 19964/A0 BV issued at 11.10.2010.

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