



Marine & Offshore
Division

Certificate number: 42898/A0 BV

File number: ACI 1000/353/039

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 FB 6010/6020/6040/6050

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships, Pt. C, Ch. 4

SOLAS 74 Convention, as amended, Regs.II.2/3.33

IMO MSC.307(88) (2010 FTP Code)

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: 07 Nov 2020

For BUREAU VERITAS,

At BV FREDERICIA, on 07 Nov 2015,

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:

The **SEAROX FB 6010/6020/6040/6050** is mineral wool having the following density :

	Nominal density (kg/m ³)
SEAROX FB 6010	35
SEAROX FB 6020	40
SEAROX FB 6040	60
SEAROX FB 6050	70

The organic content of the SEAROX FB 6000 series range is 1.1%.

2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's technical data sheets issued in Sept. 2015.

3. TEST REPORTS :

Test reports as per IMO FTP2010 Annex 1Part 1 from "Danish Institute of Fire and Security Technology":

PFB10165E, dated 13.05.2015 for SEAROX FB 6010

PFB10165A, dated 29.04.2015 for SEAROX FB 6020

PFB10165F, dated 13.05.2015 for SEAROX FB 6040

PFB10165B, dated 29.04.2015 for SEAROX FB 6050

4. APPLICATION / LIMITATION:

4.1 - Any added finish surface material(s) shall have to comply with the requirements of BV Rules and be type approved.

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

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **ROCKWOOL INTERNATIONAL A/S**, in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - 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 products 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:

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **ROCKWOOL INTERNATIONAL A/S Denmark**, will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

*** END OF CERTIFICATE ***