



Marine & Offshore
Division

Certificate number: 42900/A0 BV

File number: AC11000/353/040

Product code: 5000H

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

A60 CLASS BULKHEADS

A-60 Class Steel Bulkhead insulated with SeaRox SL 640

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships Part C, Chapter 4

SOLAS 74 Convention as amended, Regulations II-2/9, II-2/3.2

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: 18 Mar 2021

For BUREAU VERITAS,

At BV FREDERICIA, on 18 Mar 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 :

A-60 Class Steel Bulkhead insulated with SeaRox SL 640

Steel bulkhead insulated :

- between stiffeners with 2 layers of 30 mm of SeaRox SL 640 (density 130 kg/m³),
- around and upon stiffeners with 1 layer of 30 mm of SeaRox SL 640 (density range 130 kg/m³)

The insulation is fixed to the bulkhead by means of steel pins and washers with pitch ranging from 216 mm up to 400 mm (according to drawing).

2. DOCUMENTS AND DRAWINGS :

As per the Manufacturer's drawing 10 MRJ 03 dated 11/08/2010 mentioned in test report in §3.

3. TEST REPORTS :

Test report N2010CS011159/1 dated 25/10/2010 as per IMO FTP Code Annex 1, Part 3 [test standard : IMO Resolution A754(18)], from RINA, Italy.

4. APPLICATION / LIMITATION :

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

4.2 - The following component(s) shall have to comply with the requirements of BV Rules and be type approved :

- the insulating material "**SeaRox SL 640**"
- any added finish surface material(s).

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The "**A-60 Class Steel Bulkhead insulated with SeaRox SL 640**" 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.

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 manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

*** END OF CERTIFICATE ***