



Marine & Offshore

Certificate number: 42901/B0 BV

File number: AC11000/353/033

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 Bulkhead insulated with SeaRox SL 640

Restricted application - see §4.1

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 Resolution MSC.307(88) - (2010 FTP Code, article 8)

IMO MSC/Circ.1120

IMO MSC.1/Circ.1434

IMO MSC.1/Circ.1435

*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 is a renewal of certificate N° 42901/A0 BV expiring on 07/10/2020***This certificate will expire on: 07 Oct 2025****For Bureau Veritas Marine & Offshore,**

At BV FREDERICA, on 30 Sep 2020,

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 :

A-60 Class Steel Bulkhead insulated with SeaRox SL 640

Composed of steel bulkhead insulated with 1 layer of 40 mm thick mineral wool of type "SeaRox SL 640" (former "Rockwool Marine Firebatt 130"), nominal density 130 kg/m³ between and around the stiffeners. The bulkhead insulation is mounted with standard 3 mm steel pins and 30 mm washers.

Min distance between pins and washers - 263 mm

Max distance between pins and washers - 400 mm

Tested with fire against insulation side.

2. DOCUMENTS AND DRAWINGS :

As per the Manufacturer's drawing 10 MJR 02 dated 11/08/2010 mentioned in test report in §3.

3. TEST REPORTS :

Test report N°2010CS011159/3 dated 25/10/2010 as per IMO FTP Code Annex 1 Part 3 from RINA, Italy.

4. APPLICATION / LIMITATION :

4.1 - **Restricted application:** the use is restricted to application where fire hazard has been identified as being from the insulated side only

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

4.3 - The following component(s) shall comply with the requirements of the relevant Bureau Veritas rules and be type approved:

- the insulating material "SeaRox SL 640",

- any added surface finish 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 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 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 :

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 supersedes the Type Approval Certificate N°42901/A0 BV issued on 07/10/2015 by the Society.

*** END OF CERTIFICATE ***