



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

22-2313851-PDA
06-Dec-2022
05-Dec-2027
London Engineering Department

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

ROCKWOOL INTERNATIONAL A/S

located at

HOVEDGADEN 584, , DK-2640 HEDEHUSENE, Denmark

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Bulkhead, A-60 Class
Model: A60 Bulkhead Restricted, Steel SeaRox SL 620 40mm / 25mm
Endorsements:
Tier: 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 05/Dec/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Karthik Subramanian, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

ROCKWOOL INTERNATIONAL A/S

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Denmark

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Web: www.rockwool-rti.com

Tier: 3 - Type Approved, unit certification not required

Product: Bulkhead, A-60 Class
Model: A60 Bulkhead Restricted, Steel SeaRox SL 620 40mm / 25mm
Endorsements:

Intended Service:

To form part of A-Class fire division (Bulkhead) on ABS Classed Vessels, Units or Facilities

Description:

A60 Bulkhead restricted, Steel with SeaRox SL 620: Composed of steel bulkhead insulated with SeaRox SL 620 (density 100kg/m³) between the stiffeners and SeaRox SL 620 (density 100kg/m³) around the stiffeners. Minimal thickness of the insulation on the bulkhead is 40mm. Minimal thickness of the insulation around the stiffeners is 25mm. Insulation density range on the bulkhead between the stiffeners is 100-130kg/m³ and on the stiffeners 100-130kg/m³. The insulation is fixed to the bulkhead by means of standard 3mm pins in combination with 30-38mm diameter steel clips (spring washers). Distance between pins on stiffeners is maximum 300mm. Distance between pins on the bulkhead (between stiffeners) is maximum 300mm.

For further details about pin-setting and design see drawing 450-1/2/3/4.

Rating:

A-60 Steel Bulkhead, Restricted application

Service Restriction:

- 1) Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances must be clearly defined.
- 2) The application is restricted to the configuration tested i.e. the stiffeners of the bulkhead as well as the insulation facing the fire risk side.
- 3) Continuous compliance with the statutory requirements requires maintenance of the Full Type Approval. The scope of Type Approval is to comply with MSC.1/Cir. 1221 dated 1 December 2006.

Comments:

- 1) The Manufacturer has provided a declaration about the control of, or lack of Asbestos in this product.
- 2) Unless specifically directed by the Administration, this approval is not to be construed as a substitute of a flag Administration's approval for the purpose of SOLAS (2014 Consolidated Edition), as amended.
- 3) In those instances where flag administration may have their own specific requirements, flag Administration's approval may be required.

Notes/Drawing/Documentation:

DBI Fire test report ref. PGA10985A, Dated 01 Feb 2017
Insulation installation as per drawing no. 2017006 dated 17 Jan 2017
Pin-setting and design as per drawing 450-1/2/3/4
DBI Assessment Report ref. PHA10907A, Dated 22 Feb 2017
DBI Assessment Report ref. PHA10907B, Dated 22 Feb 2017
DBI Assessment Report ref. PHA10907C, Dated 22 Feb 2017
DBI Assessment Report ref. PHA10907D, Dated 22 Feb 2017
DBI Assessment Report ref. PHA10907E, Dated 22 Feb 2017

Terms of Validity:

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Tier: 3 - Type Approved, unit certification not required

Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

STANDARDS

ABS Rules:

ABS Rules for Conditions of Classification 2022: 1-1-4/7.7, 1-1-A3 & A4

ABS Rules for Conditions of Classification - Offshore Units and Structures 2022: 1-1-4/9.7, 1-1-A2 & 1-1-A3

National:

NA

International:

IMO Resolution MSC.307(88) adopted on 3 Dec 2010 - 2010 FTP Code (2012 Edition): International Code for Application of Fire Test Procedures

Government:

NA

EUMED:

NA

OTHERS:

NA



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22-2313851-PDA-DUP
06-Dec-2022
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CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

ROXUL ROCKWOOL INSULATION INDIA PVT. LTD.

located at

**PLOT Z/4 DAHEJ SEZ, , DAHEJ, DISTRICT BHARUCH, GUJARAT,
India, 392130**

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Product: Bulkhead, A-60 Class
Model: A60 Bulkhead Restricted, Steel SeaRox SL 620 40mm / 25mm
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Web: www.rockwool-searox.com

Tier: 3 - Type Approved, unit certification not required

Product: Bulkhead, A-60 Class
Model: A60 Bulkhead Restricted, Steel SeaRox SL 620 40mm / 25mm
Endorsements:

Intended Service:
To form part of A-Class fire division (Bulkhead) on ABS Classed Vessels, Units or Facilities

Description:
A60 Bulkhead restricted, Steel with SeaRox SL 620: Composed of steel bulkhead insulated with SeaRox SL 620 (density 100kg/m³) between the stiffeners and SeaRox SL 620 (density 100kg/m³) around the stiffeners. Minimal thickness of the insulation on the bulkhead is 40mm. Minimal thickness of the insulation around the stiffeners is 25mm. Insulation density range on the bulkhead between the stiffeners is 100-130kg/m³ and on the stiffeners 100-130kg/m³. The insulation is fixed to the bulkhead by means of standard 3mm pins in combination with 30-38mm diameter steel clips (spring washers). Distance between pins on stiffeners is maximum 300mm. Distance between pins on the bulkhead (between stiffeners) is maximum 300mm.
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National:

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OTHERS:

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