



CERTIFICATE NUMBER	22-2313853-PDA
EFFECTIVE DATE	03-Jan-2023
EXPIRY DATE	02-Jan-2028
ABS TECHNICAL OFFICE	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:**            **Insulation Material for Fire Prevention**  
**Model:**             **SeaRox SL 640 - Stone Wool Class A-60 Steel Bulkhead**  
**Endorsements:**  
**Tier:**                **3 - Type Approved, unit certification not required**

This Product Design Assessment (PDA) Certificate remains valid until 02/Jan/2028 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

Nitin Tyagi,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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Web: www.rockwool-rti.com

**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Insulation Material for Fire Prevention

**Model:** SeaRox SL 640 - Stone Wool Class A-60 Steel Bulkhead

**Endorsements:**

**Intended Service:**

To form part of A-class fire division on ABS classed Vessels, Units or Facilities

**Description:**

The stiffened unexposed side to the fire of the bulkhead steel structural core is insulated, on the bulkhead plating, with two layers of mineral wool named Rockwool SeaRox SL 640, 30 mm thick each and having density of 130 kg/m<sup>3</sup>.

The same insulating material is fitted below the stiffeners and one layer covers the same all around. The mineral wool panels are secured to the bulkhead plate and to the stiffeners by means of steel pins and washers welded with pitch ranging from 216 up to 400 mm. The bulkhead insulation consists of two layers of 30mm mineral wool mounted with steel pins and steel washers. The stiffeners is to be insulated with 30 mm of the same Rockwool SeaRox SL 640.

**Rating:**

Class A-60

**Service Restriction:**

1. Unit Certification is not required for this product.
2. 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.
3. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

**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 (2020 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:**

RINA test report no. 2010CS011159/1, dated 11.08.2010

Drawing No. 10MJR03 date 11.08.2010

**Terms of Validity:**

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**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 FTP Code Resolution A.754 (18) (adopted on 4 Nov 1993)

Revalidated in accordance with IMO Resolution MSC.307(88) adopted on 3 Dec 2010 - 2010 FTP Code

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA



CERTIFICATE NUMBER	22-2313853-PDA-DUP
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ABS TECHNICAL OFFICE	London Engineering Department

## 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**

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:** Insulation Material for Fire Prevention  
**Model:** SeaRox SL 640 - Stone Wool Class A-60 Steel Bulkhead  
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**ROXUL ROCKWOOL INSULATION INDIA PVT. LTD.**

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**Tier: 3 - Type Approved, unit certification not required**

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**Product:** Insulation Material for Fire Prevention

**Model:** SeaRox SL 640 - Stone Wool Class A-60 Steel Bulkhead

**Endorsements:**

**Intended Service:**

To form part of A-class fire division on ABS classed Vessels, Units or Facilities

**Description:**

The stiffened unexposed side to the fire of the bulkhead steel structural core is insulated, on the bulkhead plating, with two layers of mineral wool named Rockwool SeaRox SL 640, 30 mm thick each and having density of 130 kg/m<sup>3</sup>.

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Class A-60

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**International:**

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Revalidated in accordance with IMO Resolution MSC.307(88) adopted on 3 Dec 2010 - 2010 FTP Code

**Government:**

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**EUMED:**

NA

**OTHERS:**

NA