



CERTIFICATE NUMBER
17-LD1653303-PDA

DATE
01 Aug 2017

ABS TECHNICAL OFFICE
London Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

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

ROCKWOOL INTERNATIONAL A/S

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**

This Product Design Assessment (PDA) Certificate 17-LD1653303-PDA, dated 01/Aug/2017 remains valid until 31/Jul/2022 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an 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 the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

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DK-2640 HEDEHUSENE

Denmark

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Email: rti.export@rockwool.com

Web: www.rockwool-rti.com

Tier: 3 - Type Approved, unit certification not required

Product: Insulation Material for Fire Prevention

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

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/m³. 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. 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.
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.

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 1974, 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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Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

STANDARDS

ROCKWOOL INTERNATIONAL A/S

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Tier: 3 - Type Approved, unit certification not required

ABS Rules:

ABS Rules for Condition of Classification 2017- Steel Vessels, Steel Vessels Under 90 M, Offshore Support Vessels: 1-1-4/7.7, 1-1-A3 & A4; High Speed Craft : 1-1-4/11.9, 1-1-A3 & A4

ABS Rules for Condition of Classification -Offshore Units and Structures 2017 - Mobile Offshore Drilling Units: 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); Re validated in accordance with IMO Resolution MSC.307(88) adopted on 3 Dec 2010 - 2010 FTP Code

Government:

NA

EUMED:

NA

OTHERS:

NA



CERTIFICATE NUMBER
17-LD1653303-PDA-DUP

DATE
01 Aug 2017

ABS TECHNICAL OFFICE
London Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

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

ROXUL ROCKWOOL INSULATION INDIA PVT. LTD.

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

This Product Design Assessment (PDA) Certificate 17-LD1653303-PDA-DUP, dated 01/Aug/2017 remains valid until 31/Jul/2022 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

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Tier: 3 - Type Approved, unit certification not required

Product: Insulation Material for Fire Prevention

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

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/m³. 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:

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STANDARDS

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International:

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Government:

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NA

OTHERS:

NA