



CERTIFICATE NUMBER
17-LD1605642-PDA

DATE
24 Apr 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: **A-60 Bulkhead (SeaRox WM 620, 2x45 mm / 45 mm)**

This Product Design Assessment (PDA) Certificate 17-LD1605642-PDA, dated 24/Apr/2017 remains valid until 23/Apr/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).

ROCKWOOL INTERNATIONAL A/S

HOVEDGADEN 584

DK-2640 HEDEHUSENE

Denmark

Telephone: +31 475 353915

Fax:

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: A-60 Bulkhead (SeaRox WM 620, 2x45 mm / 45 mm)

Intended Service:

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

Description:

A-60 Bulkhead, Steel, insulated between stiffeners with two layers each of thickness 45 mm of mineral wool of type "Rockwool SeaRox WM 620" (nom. density 90 kg/m³), and with one layer of thickness 45 mm of same type around stiffeners, with wired mesh on the surface to the product.

Rating:

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. 2006CS013889-1 (7/02/2007), Drawing "A-60 Bulkhead/ Built-up and pin configuration of test installation according to FTP Code, Cross section drawing around stiffeners according to FTP Code" (4 pages, attached to the RINA Test Report).

Terms of Validity:

This Product Design Assessment (PDA) Certificate 17-LD1605642-PDA, dated 24/Apr/2017 remains valid until 23/Apr/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.

STANDARDS

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

ROCKWOOL INTERNATIONAL A/S

HOVEDGADEN 584

DK-2640 HEDEHUSENE

Denmark

Telephone: +31 475 353915

Fax:

Email: rti.export@rockwool.com

Web: www.rockwool-rti.com

Tier: 3 - Type Approved, unit certification not required

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)

Revalidated in accordance with section 5.2 of IMO Resolution MSC.307(88) (adopted on 3 December 2010) - 2010 FTP Code

Government:

NA

EUMED:

NA

OTHERS:

NA



CERTIFICATE NUMBER
17-LD1605642-PDA-DUP

DATE
24 Apr 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: **A-60 Bulkhead (SeaRox WM 620, 2x45 mm / 45 mm)**

This Product Design Assessment (PDA) Certificate 17-LD1605642-PDA-DUP, dated 24/Apr/2017 remains valid until 23/Apr/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).

ROXUL ROCKWOOL INSULATION INDIA PVT. LTD.

PLOT Z/4 DAHEJ SEZ

DAHEJ, DISTRICT BHARUCH GUJARAT

India 392130

Telephone: +91 610835284

Fax:

Email: math.mourmans@rockwool.com

Web: www.rockwool-searox.com

Tier: 3 - Type Approved, unit certification not required

Product: Insulation Material for Fire Prevention

Model: A-60 Bulkhead (SeaRox WM 620, 2x45 mm / 45 mm)

Intended Service:

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

Description:

A-60 Bulkhead, Steel, insulated between stiffeners with two layers each of thickness 45 mm of mineral wool of type "Rockwool SeaRox WM 620" (nom. density 90 kg/m³), and with one layer of thickness 45 mm of same type around stiffeners, with wired mesh on the surface to the product.

Rating:

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. 2006CS013889-1 (7/02/2007), Drawing "A-60 Bulkhead/ Built-up and pin configuration of test installation according to FTP Code, Cross section drawing around stiffeners according to FTP Code" (4 pages, attached to the RINA Test Report).

Terms of Validity:

This Product Design Assessment (PDA) Certificate 17-LD1605642-PDA-DUP, dated 24/Apr/2017 remains valid until 23/Apr/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.

STANDARDS

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

ROXUL ROCKWOOL INSULATION INDIA PVT. LTD.

PLOT Z/4 DAHEJ SEZ

DAHEJ, DISTRICT BHARUCH GUJARAT

India 392130

Telephone: +91 610835284

Fax:

Email: math.mourmans@rockwool.com

Web: www.rockwool-searox.com

Tier: 3 - Type Approved, unit certification not required

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)

Revalidated in accordance with section 5.2 of IMO Resolution MSC.307(88) (adopted on 3 December 2010) - 2010 FTP Code

Government:

NA

EUMED:

NA

OTHERS:

NA