



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

20-2004341-PDA  
07-Oct-2020  
06-Oct-2025  
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 Steel Bulkhead A-60, Restricted with SeaRox Fb 6020/SeaRox FB 6050**

This Product Design Assessment (PDA) Certificate remains valid until 06/Oct/2025 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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Fax:

Email: math.mourmans@rockwool.com

Web: www.rockwool-rti.com

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

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**Product:** Bulkhead, A-60 Class

**Model:** Steel Bulkhead A-60, Restricted with SeaRox Fb 6020/SeaRox FB 6050

**Intended Service:**

For ABS Classed Vessels, Mobile Offshore Drilling Units or facilities

### Description:

A bulkhead (structural steel core) insulated with one layer of minimum 70 mm SEAROX FB 6020, 40-100 kg/m<sup>3</sup> on the level and with one layer of minimum 30 mm Searox FB 6050, 70-100 kg/m<sup>3</sup> on the stiffeners with Nominal organic content: 1.1 mass % for both.

### Rating:

Steel Bulkhead A-60, Restricted (see service restrictions)

### 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) 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) Bulkhead is tested and approved for restricted application only in accordance with Annex 1, Part 3, Appendix 1/clause 1.4 of 2010 FTP Code. Insulation on stiffened face shall always face the fire risk side.

### 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:

Drawing No. Rockwool - Product Description Steel Bulkhead A60, Revision: -, Pages: 1

Drawing No. PGA10657 - Rockwool, Test Report Class A-60 Bulkhead, restricted, Revision: -, May 2015, Pages: 9

Drawing No. PHA10627a - DBI, Assessment Report Class A-60 Bulkhead, restricted, Revision: -, August 2020, Pages: 4

Drawing No. PHA10627b - DBI, Assessment Report Class A-60 Bulkhead, restricted, Revision: -, August 2020, Pages: 4

Drawing No. PHA10627c - DBI, Assessment Report Class A-60 Bulkhead, restricted, Revision: -, August 2020, Pages: 4

Drawing No. PHA10627d - DBI, Assessment Report Class A-60 Bulkhead, restricted, Revision: -, August 2020, Pages: 4

Drawing No. PHA10627e - DBI, Assessment Report Class A-60 Bulkhead, restricted, Revision: -, August 2020, Pages: 4

### Terms of Validity:

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**STANDARDS**

**ABS Rules:**

ABS Rules for Conditions of Classification 2020: 1-1-4/7.7, 1-1-A3, 1-1-A4

ABS Rules for Conditions of Classification – Offshore Units and Structures, 2020: 1-1-4/9.7, 1-1-A2, 1-1-A3

**National:**

NA

**International:**

IMO International Code for Application of Fire Test Procedures, 2010 FTP Code (2012 Edition),

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

20-2004341-PDA-DUP  
07-Oct-2020  
06-Oct-2025  
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**

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**Product:** Bulkhead, A-60 Class  
**Model:** Steel Bulkhead A-60, Restricted with SeaRox Fb 6020/SeaRox FB 6050  
**Endorsements:**  
**Tier:** 3 - Type Approved, unit certification not required

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Web: www.rockwool-searox.com

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

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**Product:** Bulkhead, A-60 Class

**Model:** Steel Bulkhead A-60, Restricted with SeaRox Fb 6020/SeaRox FB 6050

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ABS Rules for Conditions of Classification – Offshore Units and Structures, 2020: 1-1-4/9.7, 1-1-A2, 1-1-A3

**National:**

NA

**International:**

IMO International Code for Application of Fire Test Procedures, 2010 FTP Code (2012 Edition),

**Government:**

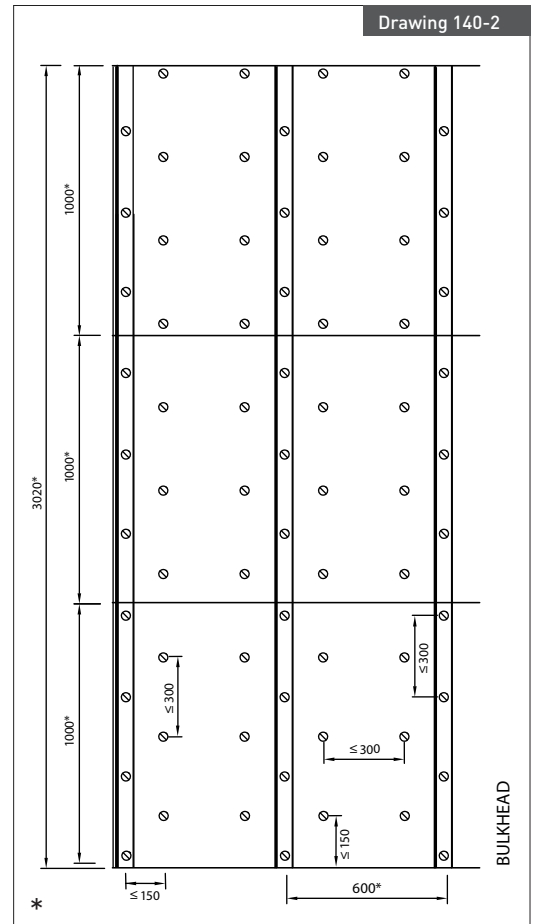
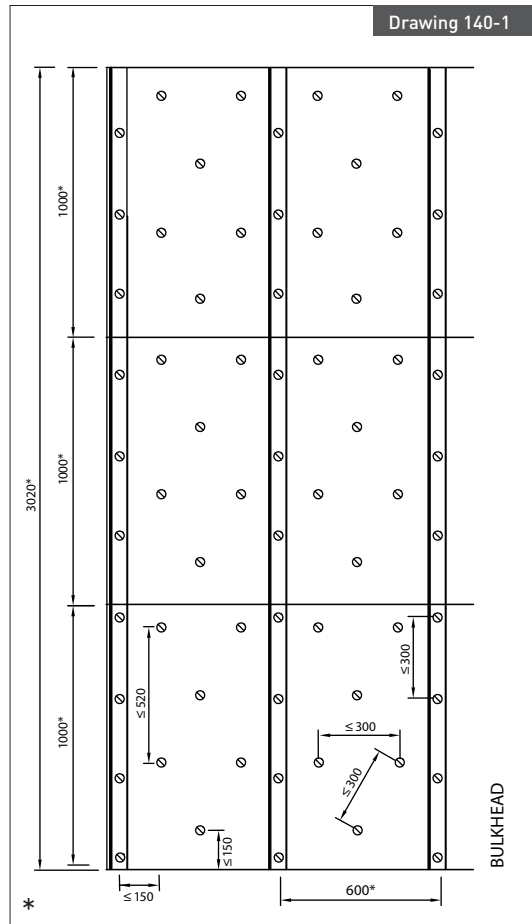
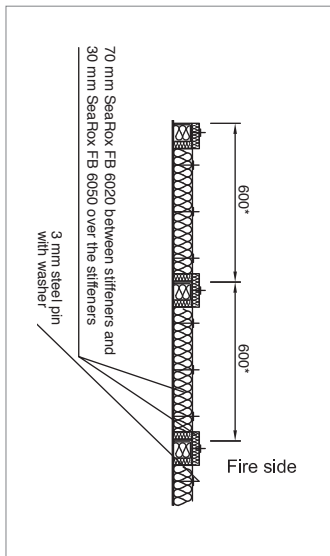
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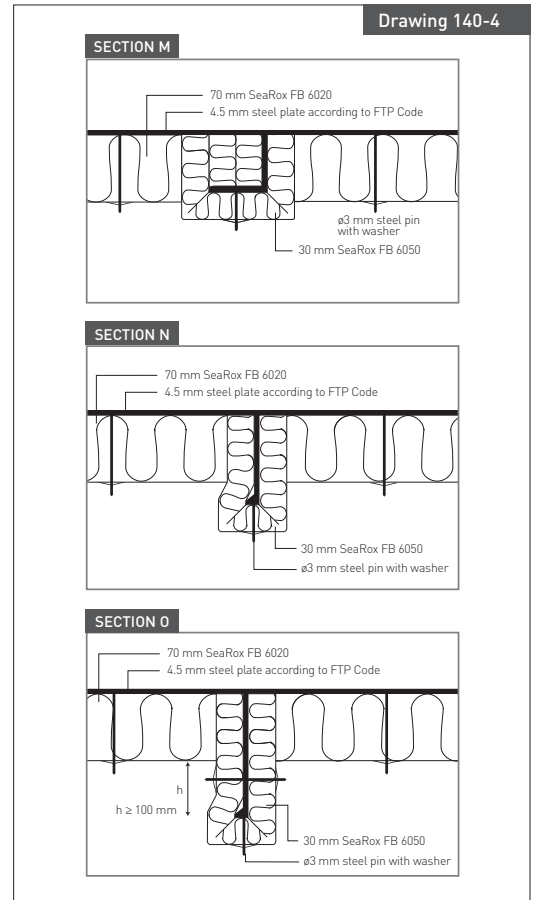
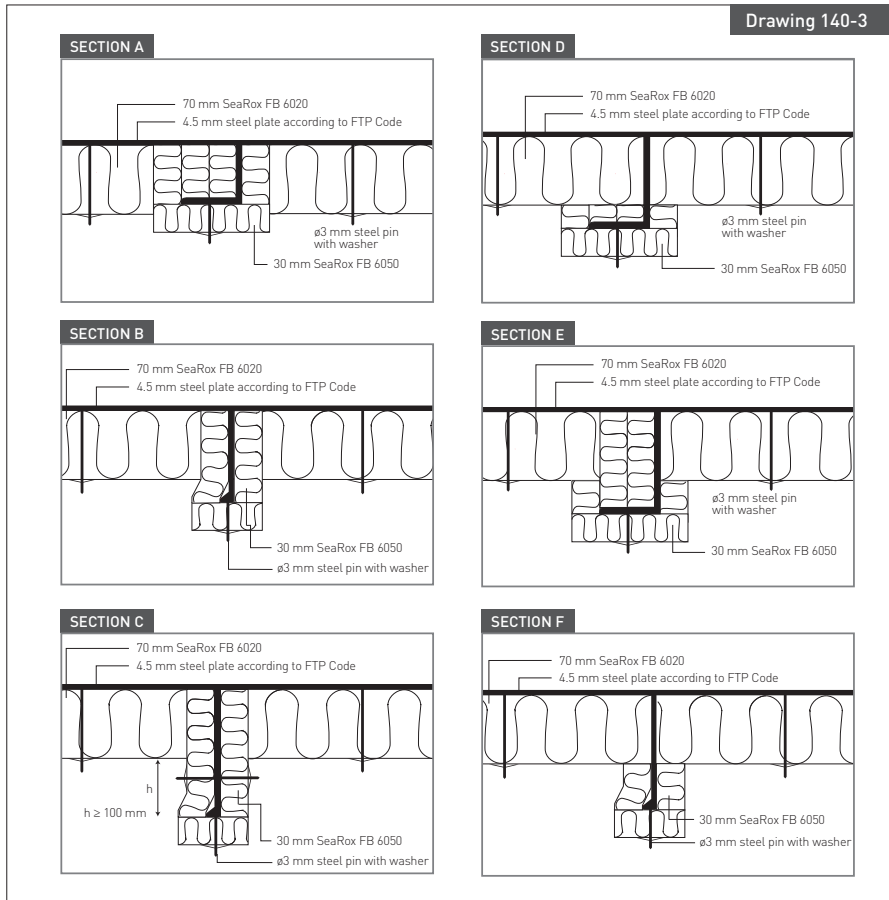
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**OTHERS:**

NA



\* Dimensions may vary depending on structural design and size of insulation slab.



All measurements in mm

Date: 2016/12/13

Subject: A-60 Bulkhead Restricted SeaRox FB 6020/  
SeaRox FB 6050

Assessment Report Nos.: PHA10627a PHA10627b PHA10627c PHA10627d PHA10627e

**ROCKWOOL®**  
TECHNICAL INSULATION