



CERTIFICATE NUMBER	22-2220359-PDA
EFFECTIVE DATE	26-Oct-2022
EXPIRY DATE	25-Oct-2027
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: Non-combustible insulation material
Model: SeaRox FM 6030 ALU, SeaRox FM 6040 ALU
Endorsements:
Tier: 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 25/Oct/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

HOVEDGADEN 584

DK-2640 HEDEHUSENE

Denmark

Telephone: +31 475 353915

Fax:

Email: math.mourmans@rockwool.com

Web: www.rockwool-rti.com

Tier: 3 - Type Approved, unit certification not required

Product: Non-combustible insulation material
Model: SeaRox FM 6030 ALU, SeaRox FM 6040 ALU
Endorsements:

Intended Service:
Non-combustible material for insulation of A-class divisions

Description:
Insulation Material (Stone Wool)

SeaRox FM 6030 ALU: Thickness minimal 30 mm. On one side of each mat, a fibre-reinforced aluminium foil is attached.

Weight per unit area at 20°C (undried): 50 kg/m³

Nominal organic content (wool only): 1.1 mass %

SeaRox FM 6040 ALU: Thickness minimal 30 mm.

Weight unit area at 20°C (undried): 60 kg/m³

Nominal organic content (wool only): 1.1 mass %

Rating:
SeaRox FM 6030 ALU and SeaRox FM 6040 ALU have been tested in accordance with the International Code for Application of Fire Test Procedures, 2010 Resolution MSC.307(88), 2010 FTP Code, Annex 1 Part 1: "Non-combustibility test".

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.

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 (2020 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:
Product Datasheet for SeaRox FM 6000, issue date December 2016
DBI fire test report ref. PFB10182A dated 06.11.2015 - Non Combustibility SeaRox FM 6040 ALU,
DBI fire test report ref. PFB10182B dated 30.11.2015 - Non Combustibility SeaRox FM 6030 ALU,

Terms of Validity:
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STANDARDS

ABS Rules:

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

ABS Rules for Condition 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),

Government:

NA

EUMED:

NA

OTHERS:

NA