



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 164.107/16/0

Expires: 04 September 2019

STRUCTURAL INSULATION A-CLASS (IMO)

ROXUL INC.
551 Harrop Drive
Milton Ontario L9T 3H3 CANADA

SeaRox SL 618na through SeaRox SL 658na, and SeaRox SL FSL 618na mineral wool meeting A-60 bulkhead insulation criteria of Part 3 of Annex 1 of the FTP Code.

May alternatively be marked as Roxul RHM 60A through Roxul RHM 100A, and RHM 60 AC, respectively. Approved in nominal density of 96 kg/m³ (6 pcf) through 160 kg/m³ (10 pcf), and 96 kg/m³ (6.0 pcf), respectively. Min thickness of 76 mm over plate and 38 mm over stiffeners.

Identifying Data: Part 1 reports: Southwest Research Institute (SwRI) Project Nos 01.06061.01.603a, b & c, January 2003; No 01.06061.01.314, May 2003; Nos 01.16052.01.606a & b, May 3, 2011; Part 3 report: SwRI Project No 01.06193.01.00, December 2002; and USCG letters dated March 17, 2003, August 9, 2011, and June 4, 2014.

450 mm lengths of SeaRox PS 968na or TECHTON 1200 Marine molded pipe insulation of same density and thickness as above (Approval No 164.109/27/0) may be used to insulate pipes penetrating A-60 bulkheads in lieu of bulkhead insulation.

Follow-up Program: SwRI.

Approval valid only for material from above location, Grand Forks, BC, and Byhalia, MS.

Extends certificate dated October 15, 2015, updated MRA statement.



1408/YY

The manufacturer is allowed to affix the Mark of Conformity according to the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 2019 and by the "Agreement between the European Free Trade Association countries which are part of the European Economic Area and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 2019. Item complies with requirements of Item No MED/3.11 of the directive.

*** End ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.

GIVEN UNDER MY HAND THIS 04th DAY OF
JUNE 2019, AT WASHINGTON D.C.

B. A. BALDWIN
Chief, Lifesaving and Fire Safety Division
BY DIRECTION OF THE COMMANDANT



TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."

U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

U.S. Coast Guard (CG-ENG-4)
U.S. Coast Guard Stop 7509
2703 Martin Luther King Jr. Ave SE
Washington, DC 20593-7509
Phone: (202) 372-1388
E-mail: typeapproval@uscg.mil
www.dco.uscg.mil/CG-ENG-4

16714/164.109/26
16714/164.107/16
16714/164.107/17
CORR: 2019-0249
June 4, 2019

Lukáš Vonšík
Rockwool, a.s.
Cihelní 769, 735 31 Bohumín
Czech Republic

Subj: STRUCTURAL INSULATION A-CLASS (IMO); EXTENSION OF APPROVALS

We have reviewed the materials you have submitted with your email dated May 7, 2019, requesting a 3-month extension of Approvals № 164.109/26/0, № 164.107/16/0, and № 164.107/17/0. The purpose of the extension is to safeguard deliveries until you have established local production of your global product line to replace the products under these approvals. Based on our review of the performance of the products under the follow-up program with Southwest Research Institute, we are granting a one-time 3-month extension. The Certificates of Approval (COAs) are enclosed.

The COAs will remain valid until September 4, 2019, unless we suspend, withdraw, or terminate them. Terms of approval are on the reverse of each certificate. Any changes or alternation of components, construction or manufacturing location of the product may require a product to undergo additional testing, or requalification in order to keep its approval.

As a condition of this approval, products indicated on the COA must be shipped in packaging that is clearly marked with the name of the manufacturer, product designation, date of manufacture, batch or lot number, and Coast Guard type approval number.

Approval is contingent upon continued participation in the "follow-up" program established with Southwest Research Institute.

Please note that the certificate includes the European Community's Mark of Conformity (wheelmark) under the mutual recognition agreement between the US and the EC. You may need to provide a Declaration of Conformity to your customers. Guidance on the declaration and the marking of product can be found in NVIC 8-04, CH-1, which can be obtained at <http://www.dco.uscg.mil/Our-Organization/NVIC/>.

This letter and all attachments were delivered electronically to lukas.vonsik@rockwool.com. No hard copies will be provided. You are welcome to print as many copies as you wish. If you have

16714/164.109/26
16714/164.107/16
16714/164.107/17
CORR: 2019-0249
June 4, 2019

Subj: STRUCTURAL INSULATION A-CLASS (IMO); EXTENSION OF APPROVALS

any follow-up to this approval, please contact Louis Nash at louis.nash@uscg.mil or typeapproval@uscg.mil. Please reference ID#: 2019-0249 in any correspondence related to this project.

Sincerely,



B. A. BALDWIN
Chief, Lifesaving and Fire Safety Division
U.S. Coast Guard
By direction

Enclosures: (1) USCG COA № 164.109/26/0 dated 4 June 2019
(2) USCG COA № 164.107/16/0 dated 4 June 2019
(3) USCG COA № 164.107/17/0 dated 4 June 2019

Copy: SwRI via email julie.garcia@swri.org