



Lloyd's
Register

Transport
Canada
Safety and Security



CERTIFICATE OF TYPE APPROVAL ISSUED ON BEHALF OF TRANSPORT CANADA



This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations with regards to the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by Transport Canada to issue the relevant certificates, licences, permits etc.

Manufacturer	ROXUL Inc.
Address	8024 Esquesing Line Milton Ontario, L9T 6W3 Canada
Type	A-60 DECK
Description	A-60 Class Deck insulated on underside with "SeaRox SL 618NA and SeaRox FSL 618NA" (thickness 50/38mm, density 96 kg/m ³)
Specified Standard	IMO Res. MSC.61 (67) - (FTP Code) Annex 1 Part 3 IMO MSC/Circ.1120 IMO Res. MSC.307(88) - (2010 FTP Code) Section 8

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue	2 June 2015	Expiry date	13 October 2020
Certificate No.	LRTC 0000060/M1	Signed	 
Sheet No	1 of 2	Name	J.M.Evans Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



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Lloyd's Register EMEA

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 2 June 2015	Quote this reference on all future communications MTES/SFS/TA/JE/WP2202625
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000060/M1

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Southwest Research Institute, Texas, USA, Test Report SwRI Project No. 01.06193.01.001a dated January 2003

CONDITIONS OF CERTIFICATION

1. When used in conjunction with an approved steel deck.
2. Consisting of: steel deck insulated on underside with 'SeaRox FSL 618NA' (38mm thick, 96kg/m³ density) applied around the stiffeners and retained by steel pins and washers at maximum 355mm centres. An additional layer of 'SeaRox SL 618NA' (50mm thick, 96kg/m³ density) is applied between the stiffeners and retained by steel pins and washers at maximum 305mm x 355mm centres.
3. Composition and application of insulation material to be maintained in production and use in accordance with originally tested composition formula and method of application, and manufacturer's instructions.
4. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

PLACE OF PRODUCTION

ROXUL Inc
805 Steeles Avenue West
Milton
Ontario
Canada

ROXUL Inc
6525 Industrial Parkway
Grand Forks
British Columbia
Canada



Jessica Evans
Senior Specialist
Statutory Fire & Safety
Marine Technology and Engineering Services
Global Technology Centre
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).

