Lloyd's Register

CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with 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 contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	ROXUL Inc.
Address	8024 Esquesing Line Milton Ontario, L9T 6W3 Canada
Type	**NON-COMBUSTIBLE MATERIAL**
Description	Fire-Resisting Material – Type "SeaRox SL 748NA to SeaRox SL 658NA and SeaRox FSL 618NA"
Specified Standard	IMO Res. MSC.61 (67) - (FTP Code) Annex 1 Part 1 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.	SAS F150087/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 EMEA
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Telephone 020 7423 2416 Fax 020 7423 2053
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Document number
SAS F150087/M1

Issue number
1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
2 June 2015	MTES/SFS/TA/JE/WP22026025

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F150087/M1

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Southwest Research Institute, Texas, USA, Test Report SwRI Project No. 01.06061.01.603a and No. 01.06061.01.603b both dated January 2003 and No. 01.03061.01.314 dated May 2003.

CONDITIONS OF CERTIFICATION

1. Consisting of: bonded mineral wool fibre board and blanket insulation material, minimum density 48kg/m³, maximum density 160kg/m³.
2. Composition of all sub component materials, including any fire retardants, to be maintained in production in accordance with originally tested composition formula.
3. 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).