

# Certificate Of Type Approval Issued On Behalf Of Transport of Canada

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 Transport Canada to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	<b>Rockwool International A/S</b>
<b>Address</b>	Hovedgaden 584, Hedehusene, 2640, Denmark
<b>Type</b>	Material Having Low Flame Spread Characteristics & Not Capable Of Producing Excessive Quantities Of Smoke & Toxic Products Of Combustion
<b>Description</b>	Fire Resisting Material – Type: "SeaRox", ProRox with Fibre-Reinforced Aluminium Foil" and "SeaRox Acoustic Foil"
<b>Trade Name</b>	"SeaRox",
<b>Specified Standard</b>	IMO Res. MSC.307(88) - (2010 FTP Code) Annex 1 Part 5 and Annex 2

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form 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.

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2003136TC**

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**

**TEST REPORTS**

Danish Institute of Fire and Security Technology, Hvidovre, Denmark, Fire Test Reports No. PFB10042/Serial 13556 dated 31<sup>st</sup> July 2012, No. PFB10047c/Serial 13662 dated 30<sup>th</sup> October 2012, No. PFB10079b/Serial 14061 dated 6<sup>th</sup> August 2013, No. PFB10083/Serial 14082 dated 16<sup>th</sup> August 2013, and No. PFB10182C dated 8<sup>th</sup> December 2015.

**CONDITIONS OF CERTIFICATION**

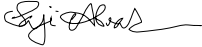
1. Consisting of: mineral wool insulation 'ProRox' or 'SeaRox' densities 30kg/m<sup>3</sup> to 240kg/m<sup>3</sup> with surface layer of fibre reinforced aluminium foil (thickness 19µm, weight 86g/m<sup>2</sup>), or mineral wool insulation 'SeaRox' density 30kg/m<sup>3</sup> to 240kg/m<sup>3</sup> with one layer of 'SeaRox Acoustic Foil' (PET) polyester film (thickness 19µm) and final layer of 1mm thick steel sheet with 5mm diameter perforations
2. Composition of individual coatings and adhesives, 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
4. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, whether manufactured by themselves or their licensee manufacturers, if agreed by Lloyd's Register, are fully compliant with the relevant statutory regulations and Lloyd's Register Class rules as applicable and designed and manufactured to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties

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**PLACE OF PRODUCTION**

Rockwool A/S Moss Trondheim Norway	Rockwool BV NL-6045 JG Roermond The Netherlands	Rockwool Hungary 8300 Tapolca Hungary
Rockwool Peninsular S.A.U. E-31380 Caparrosa Spain	Rockwool Ltd Pencoed Bridgend Wales CF35 6NY United Kingdom (UK)	Rockwool Grand Forks 6526 Industrial Park Way PO Box 2890 Grand Forks Canada
Roxul USA, Inc 4594 Cayve Road Byhalia United States of America (USA)	Roxul Asia Sdn Bhd 75450 Melaka Malaysia	Rockwool a.s. 735 31 Bohumin 3 Czech Republic
Roxul Rockwool Insulation India Pvt. Ltd. Plot – Z/4, Dahej SEZ, Dahej District Bharuch – 392 130 Gujarat India	Deutsche Rockwool GmbH & Co. OHG Ruhrstrasse 13 DE-86633 Neuburg a.d. Donau Germany	Rockwool A/S Rockwoolvej Ø Doense DK-9500 Hobro Denmark
Rockwool A/S Industrivej DK-6580 Vamdrup Denmark	Roxul Inc 805 Steeles Avenue West Milton Ontario Canada	

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Saji Abraham  
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Fire & Safety, Statutory Discipline Team  
UK&I Technical Support Office, Marine & Offshore  
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).*