

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	Rockwool International A/S
Address	Hovedgaden 584 C, Hedehusene, 2640, Denmark
Type	Non-Combustible Material
Description	Fire Resisting Material – Types: "SeaRox" and "ProRox" densities 30kg/m ³ to 240kg/m ³
Trade Name	"SeaRox" and "ProRox"
Specified Standard	IMO Res. MSC.307(88) - (2010 FTP Code) Annex 1 Part 1

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.

71 Fenchurch Street, London, EC3M 4BS,
United Kingdom

Saji Abraham

Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F180212-02

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.

This Design Appraisal Document forms part of the Certificate.

This Certificate is an amendment of Certificate number SAS F180212

APPROVAL DOCUMENTATION

TEST REPORTS

Danish Institute of Fire and Security Technology, Hvidovre, Denmark, Fire Test Reports No. PFB10021 / Serial 13334 dated 9th February 2012, No. PFB10026 / Serial 13435 dated 30th April 2012, No. PFB10079a / Serial 14060 dated 6th August 2012, No. PFB10081 / Serial 14063 dated 8th August 2012, No. PFB10032 / Serial 13582 and PFB10028/Serial 13533 both dated 20th August 2012, No. PFB10047a / Serial 13655 and No. PFB10047b / Serial 13658 both dated 30th October 2012, No. PFB10052a / Serial 13682, No. PFB10052b / Serial 13684, No. PFB10052c / Serial 13685, No. PFB10052d / Serial 13686, No. PFB10052e / Serial 13687 all dated 19th November 2012, No. PFB10089a and No. PFB10089d both dated 9th October 2013. PFB1082A dated 6th November 2015 and PFB 10182B dated 30th Nov 2015.

Exova Warringtonfire, Warrington, United Kingdom, Test Report No. 320946 dated 14th September 2012.

RINA Fire Protection Research Laboratory, Via Corsica, 12-16128 Genova, Italy; Test Report No. 2013CS011111/1 dated 7th May 2013 and 2013CS011111/2 dated 9th May 2013.

CONDITIONS OF CERTIFICATION

1. Insulating material of mineral wool composition presented as Types: 'SeaRox' formed as slabs, mats, lamella mats (with top layer of reinforced aluminium foil), wired mats (formed with wire mesh), and 'ProRox' mineral wool formed as pipe sections. Density of mineral wool 30 - 240 kg/m³
2. Composition and manufacturing methods of all materials, including any adhesives and 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
Senior Specialist
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).