



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 501 2640 Hedehusene Denmark
Type	NON-COMBUSTIBLE MATERIAL
Description	Fire Resisting Material – Types: “SeaRox” and “ProRox” densities 30kg/m ³ to 240kg/m ³
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 1

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 23 December 2013 Expiry date 20 October 2018

Certificate No. SAS F130225/M3 Signed 

Sheet No 1 of 3 Name B. Geary
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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DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
23 March 2016	MTES/SFS/TA/BG/WP24534518

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F130225/M3

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

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.

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

PLACE OF PRODUCTION

Rockwool A/S 2640 Hedehusene Vamdrup Doense	Rockwool A/S Moss Trondheim Norway	Rockwool Adriatic d.o.o. 52 333 Potpičan Croatia
Rockwool Polska Sp. z.o.o. 66-131 Cigacicie Poland	Deutsche Rockwool GmbH & Co. OHG Flechtingen Neuburg Gladbeck Germany	Rockwool Hungary 8300 Tapolca Hungary
Rockwool BV NL-6045 JG Roermond The Netherlands	Rockwool France 63700 Saint Eloy Les Mines France	Rockwool Peninsular S.A.U. E-31380 Caparroso Spain



Lloyd's
Register

Lloyd's Register EMEA

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PLACE OF PRODUCTION Cont.

Rockwool Ltd
Pencoed
Bridgend
Wales, CF35 6NY
United Kingdom

Flumroc AG
8890 Flums
Switzerland

Roxul Asia Sdn. Bhd.
75450 Melaka
Malaysia

Roxul Rockwool Insulation India Pvt. Ltd.
Plot - Z/4, Dahej SEZ,
Dahej
District Bharuch - 392 130
Gujarat
India



Ben Geary
Technical Manager
Statutory Fire & Safety
Marine Technology and Engineering Services
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).