



Transport
Canada
Safety and Security

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Certificate No: LR23405427SFTC
Issue Date: 21/10/2023
Expiry Date: 20/10/2028

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 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.

Manufacturer	Rockwool B.V.
Address	Attn. Rockwool Technical Insulation, P.O. Box 1160, Roermond, 6040 KD, Netherlands
Type	Materials Having Low Flame Spread Characteristics & Not Capable of Producing Excessive Quantities of Smoke & Toxic Products of Combustion
Description	Fire Resisting Material – Type: "SeaRox", "ProRox" insulation with surface materials
Trade Name	SeaRox facing, SeaRox Acoustic Foil, SeaRox Alu tape S337
Specified Standard	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 Marine Polska sp. z o. o. 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.

Marta Walk

Fire & Safety - Senior Specialist to Lloyd's Register Marine Polska sp. z o. o.
A member of the Lloyd's Register group

Al Zwycięstwa 13a, Gdańsk, 80-219, Poland

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR23405427SFTC

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 Certificate is an Amendment and a Renewal of Lloyd's Register Certificate No. LRTC 0000218.

APPROVAL DOCUMENTATION

- Danish Institute of Fire and Security Technology, Hvidovre, Denmark, Fire Test Reports No's:
 - No. PFB10042 dated 31 July 2012,
 - No. PFB10047c dated 30 October 2012,
 - No. PFB10079b dated 06 August 2013,
 - No. PFB10083 dated 16 August 2013,
 - No. PFB10182C dated 08 December 2015.
 - No. PFB10207B dated 27 April 2016,
 - No. PFB10370AA dated 12 November 2016,
 - No. PFB10308C dated 07 August 2018,
 - No. PFB10308E dated 07 August 2018
 - No. PFB10320A dated 22 November 2018,
 - No. PFB10325Ab dated 12 April 2019
 - No. PFB10349A dated 20 May 2019.
 - No. PFB10349C dated 21 May 2019
 - No. PFB10427A dated 29 September 2020
 - No. PFB10431A dated 06 November 2020
 - No. PFB10347A dated 13 November 2019
 - No. PFB10370T1 dated 19 December 2019
 - No. PFB10454A dated 09 February 2021
 - No. PFB10423A dated 01 December 2021
 - No. PFB10608A dated 13 September 2023
 - No. PFB10610A dated 19 October 2023
 - No. PFB10613A dated 16 November 2023
- CREPIM, Bruay-La-Buissière, France Fire Test Reports No's
 - No. DO-20-1779\C-R1 dated 06 March 2020
 - No. DO-20-2143\A-R1 dated 06 October 2020

CONDITIONS OF CERTIFICATION

- Consisting of: mineral wool insulation 'ProRox' or 'SeaRox' densities 26kg/m³ to 240kg/m³ with surface layer of material as detailed below:

Surface material	Description	Fixing	Specification of surface layer
ALU	Reinforced aluminium foil	Glued or stitched to the insulation	12-18 µm (aluminium layer) 69-86 g/m ² (total weight)
ALU-G and GW-A	White woven glass cloth and aluminium foil	Glued to the insulation or loose fitted	12-18 µm (total thickness) 275 g/m ² (total weight)
ALU-G1	Aluminium foil laminated with woven glass cloth beneath	Glued to the insulation	15 g/m ² (aluminium layer) 116 g/m ² (glass cloth) 137 g/m ² (total weight)
GW 200	White woven glass cloth	Glued to the insulation or loose fitted	210-220 g/m ² (total weight)
GW 400	White woven glass cloth	Glued to the insulation or loose fitted	440-450 g/m ² (total weight)
TB and TN	Black or white/neutral non-woven glass tissue	Glued to the insulation	60-70 g/m ² (total weight)
SeaRox Acoustic foil	Polyester film	Film covered by 1 mm perforated steel or aluminium plate on the insulation	19 µm (total thickness)
SeaRox S337 Alu Tape	Alu tape	Taped	30 µm (total thickness)

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2. Composition and application of insulation material, including any flame retardants, to be maintained in production and use in accordance with originally tested composition formula and method of application, and Manufacturer's instructions.
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 are fully compliant with the relevant statutory regulations and Lloyd's Register Class Rules as applicable and designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

PLACES OF PRODUCTION

Rockwool A/S

Moss, Trondheim
Norway

Roxul Asia Sdn. Bhd.

75450 Melaka
Malaysia

Rockwool Hungary

8300 Tapolca
Hungary

Rockwool BV

NL-6045 JG Roermond
The Netherlands

Rockwool Peninsular S.A.U.

E-31380 Caparroso
Spain

Rockwool a.s.

735 31 Bohumin 3
Czech Republic

Rockwool Ltd.

Pencoed, Bridgend
Wales, CF35 6NY
United Kingdom

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

M. Walk

Marta Walk
Senior Specialist, Fire & Safety
Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore

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)

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