



Lloyd's
Register

Transport
Canada
Safety and Security




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 with regards to 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 International A/S
Address	Hovedgaden 501 2640 Hedehusene Denmark
Type	A-30 DECK
Description	Fire-Resisting 'A' Class Deck – Type “Steel Deck A30 with SeaRox SL620
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 3

**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	29 August 2017	Expiry date	28 August 2022
Certificate No.	LRTC 0000172	Signed	
Sheet No	1 of 3	Name	B. McDonald 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.



Page
2 of 3
Document number
LRTC 0000172
Issue number
1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
29 August 2017	SOUTSO/SFS/TA/BM/WP30229763

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000172

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Danish Institute of Fire and Security Technology, Jernholmen 12, DK-2650 Hvidovre, Denmark; Test Report No. PGA10983A dated 31st January 2017, reports no PHA10909A-E dated 22 February 2017. Manufacturers drawings 410 1-4 dated 21st February 2017

CONDITIONS OF CERTIFICATION

1. When used in conjunction with an approved A Class Deck
2. Consisting of steel deck insulated with SeaRox SeaRox SL 620 (density 100kg/m³) between the stiffeners and SeaRox SL 620 (density 100kg/m³) around the stiffeners.
3. Minimal thickness of the insulation on the deck is 25mm. Minimal thickness of the insulation around the stiffeners is 25mm. Insulation density range on the deck between the stiffeners is 100-130kg/m³ and on the stiffeners 100-130kg/m³.
4. The insulation is fixed to the deck by means of standard 3mm pins in combination with 30-38mm diameter steel clips (spring washers). Distance between pins on stiffeners is maximum 300mm. Distance between pins on the deck (between stiffeners) is maximum 300mm. For further details about pin-setting and design see manufacturers drawings 410 1-4 dated 9th February 2017.
5. 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
6. All instructions or markings that accompany life-saving appliances or are printed directly on the appliances must be in both English and French, as per Canadian procedures for approval of life-saving appliances and fire safety systems, equipment and products document no. TP 14612E (05/2011) paragraph 2.2.1.3. However independent signage can be accepted in lieu of the instructions or marking required in paragraph 2.2.1.3 if it is in both English and French, highly visible (size, colour, posting location), water and weather proof and posted at each muster station and where the appliance is stored



Lloyd's
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Lloyd's Register EMEA

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Page 3 of 3
Document number LRTC 0000172
Issue number 1

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Date 29 August 2017	Quote this reference on all future communications SOUTSO/SFS/TA/BM/WP30229763
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000172

PLACE OF PRODUCTION

Rockwool A/S
Industrivej
DK-6580 Vamdrup
Denmark

Rockwool BV
Industrieweg 15
NL- 6045JG Roermond
The Netherlands

Rockwool Peninsular S.A.U.
Poligono Industrial de
Caparrosa
Carretera Zaragoza km 53.5 N-
121
ES-31380 Caparrosa
Spain

ROXUL-ROCKWOOL
Insulation India Pvt Limited
Plot - Z/4, Dahej SEZ, Dahej
District Bharuch
IN-392 130 Gujarat
India

LLC ROCKWOOL-NORTH
3/5 Promyshlennaya str.
Vyborg
Vyborh District, Leningrad
Region
Russian Federation, 188800



Bruce McDonald
TSC Manager - Americas, Marine
Lloyd's Register Americas
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).