



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	A-60 Deck
Description	Fire Resisting 'A' Class Deck – Type: "A60 Deck SeaRox SL 620" steel deck insulated on underside with one layer of rockwool insulation (40mm thick, 100kg/m3 density)
Trade Name	"A60 Deck SeaRox SL 620"
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 3 IMO MSC.1/Circ.1435

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

Ratheesh Rajagopal

Fire & Safety Specialist to Lloyd's Register
EMEA
A member of the Lloyd's Register group

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR22378387SF

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 a Renewal of Certificate Number SAS F170187-02

APPROVAL DOCUMENTATION

TEST REPORTS

Danish Institute of Fire and Security Technology, Jernholmen 12, DK-2650 Hvidovre, Denmark; Test Report No. PGA10982A dated 27th January 2017.

CONDITIONS OF CERTIFICATION

1. When used in conjunction with an approved A Class deck.
2. A-60 steel deck insulation system 'A60 Deck SeaRox SL 620' consisting of: steel deck insulated on underside with one layer of rockwool insulation "SeaRox SL 620" (40mm thick, 100 kg/m³ density), manufactured by Rockwool Technical Insulation, applied on the steel plate, stiffeners insulated with two layers of rockwool insulation "SeaRox SL 620" (50mm thick, 100 kg/m³ density) inside stiffeners, and one layer of rockwool insulation "SeaRox SL 620" (25mm thick, 100 kg/m³ density) surrounding the outside of the stiffeners in 3 strips of 130mm, 130mm and 70mm width. Total thickness of the insulation is 40mm.
3. Insulation on the steel plate retained by 3mm diameter steel pins and 30mm diameter washers at maximum 300mm horizontal, 500mm staggered vertical, 300mm diagonal centres and 110mm from insulation joints with 2 pin rows, 170mm from insulation joints with 1 pin rows. Insulation strip mounted on external face of stiffener parallel to deck face retained with steel pins and washers at 300mm centres.
4. Maximum length of insulation blankets following installation: 1000mm.
5. Insulation fixing method should be same as tested arrangement in all cases.
6. Composition of all product components shall be maintained in production as per the originally tested formula. Their method of application/installation onboard must be in full compliance with manufacturer's instructions, to ensure the final product assembly is of the same specification and capable of providing at least the same fire performance as the tested and approved prototype.
7. 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.



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8. 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 designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

PLACE OF PRODUCTION

Rockwool A/S

Leangen Alle 1
No-7443
Trondheim
Norway

Rockwool Malaysia Sdn. Bhd.

Lot 4, Solok Waja 1
Bukit Raja Industrial Estate,
41050 Klang, Selangor
Malaysia

Rockwool Hungary

Keszthelyi ut 53
8300 Tapolca
Hungary

Rockwool BV

Industrieweg 15
6045 JG Roermond
The Netherlands

Rockwool Peninsular S.A.U.

Pi Caparroso,
Cr De Zaragoza N-121
KM 53.5.31380
Caparroso (Navarra)
Spain

Rockwool a.s.

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735 31 Bohumin 3
Czech Republic

Rockwool Ltd

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Bridgend
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United Kingdom

Roxul Rockwool Insulation India Pvt. Ltd.

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Gujarat
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Rockwool Strasse 37-41
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Rockwool A/S

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Øster Doense
DK-9500 Hobro
Denmark

Rockwool A/S

Industrivej 9-11
DK-6580 Vamdrup
Denmark



DESIGN APPRAISAL DOCUMENT

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Certificate No: LR22378387SF
Issue Date: 29/08/2022
Expiry Date: 28/08/2027
Reference: UKITSO/FIRE/TA/RR/WP46131946/PRJ11100364346

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR22378387SF

Ratheesh Rajagopal
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).

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