

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	A-60 Bulkhead
Description	Fire Resisting 'A' Class Bulkhead – Type 'Aluminium Bulkhead Insulated on both sides with "SeaRox SL 620" (2 x 30mm thick, 100 kg/m ³ density)'
Trade Name	"SeaRox SL 620"
Specified Standard	IMO Res.MSC.61(67)-(FTP Code) Annex 1 Part 3 and Annex 2 IMO MSC/Circ.1120 IMO Res. MSC.307(88) – (2010 FTP Code) Section 8

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 F190162-02

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.

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This Certificate is an amendment of Certificate number SAS F190162

APPROVAL DOCUMENTATION

TEST REPORTS

RINA Fire Protection Research Laboratory, Via Corsica, 12-16128 Genova, Italy; Test Report No. 2009CS01950/3 dated 7th April 2009.

CONDITIONS OF CERTIFICATION

1. When used in conjunction with an aluminium bulkhead insulated on both sides, to maintain a maximum core temperature rise of 200 °C
2. Consisting of: aluminium bulkhead insulated on both sides and around stiffeners with two layers of “SeaRox SL 620” (30mm thick, 100kg/m³ density) with staggered insulation joints
3. Insulation retained to the aluminium bulkhead with 3mm diameter welded steel pins and 38mm diameter steel washers (retained by aluminium bosses) spaced at 400mm maximum centres and within 50mm of all exposed insulation joints
4. Composition and application of insulation material to be maintained in production and use in accordance with originally tested composition formula and method of application, and manufacturer’s instructions
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. 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 International A/S
Hovedgaden 501
2640 Hedehusene
Denmark

Rockwool A/S
Moss
Trondheim
Norway

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Poland

Rockwool BV
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Rockwool Hungary
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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).