


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 A/S
Address	Hovedgaden 501 2640 Hedehusene Denmark
Type	A-60 DECK
Description	Steel Deck Insulated on Upperside with "ROCKWOOL MARINE SLAB 140 (60mm thick, 140 kg/m ³ density)
Specified Standard	IMO Res.MSC.61(67)-(FTP Code) Annex 1 Part 3 and Annex 2, IMO MSC/Circ.1120

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	26 January 2010	Expiry date	25 January 2015
Certificate No.	SAS F100016	Signed	
Sheet No	1 of 2	Name	P. Galbraith 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, 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 Group'. The Lloyd's Register Group 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 Group 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."

DESIGN APPRAISAL DOCUMENT

Date 26 January 2010	Quote this reference on all future communications LDSS/TA/SFS/MHE/PG
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F100016

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Norwegian Fire Research Laboratory (SINTEF), Test Report No. 22N002.07 D, dated 12 October 1998.

CONDITIONS OF CERTIFICATION

1. Consisting of: One layer of "Rockwool Marine Slab 140 (60mm thick, 140kg/m³ density) laid loosely on the upper side of the steel deck with two steel plates on top of thickness 3mm (lowest) and 1.5mm with joints staggered 90° to each other. Joints of each thickness of steel plating point welded.
2. 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	Rockwool A/S	Rockwool A/S	Rockwool A/S	Rockwool Lapinus Productive B.V
Vamdrup	Doense	Moss	Trondheim	Industrieweg 15
Industrivej	Ø. Doense	Værlegt. 56	Leangen Allé 1	NL-6045
DK-6580	DK-9500	Post-box 55	Postbox 3903	JG Roermond
Vamdrup	Hobro	N-1531	N-7002 Trondheim	
Denmark	Denmark	Norway	Norway	



Paul Galbraith
Lead Specialist
Statutory Fire & Safety
London Design Support 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).