



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 BULKHEAD
Description	Steel Bulkhead insulated on one side with "ROCKWOOL MARINE FIRE BATT 130 (60mm thick, 130kg/m ³ density)
Specified Standard	IMO Fire Test Procedures 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	18 July 2006	Expiry date	17 July 2011
Certificate No.	SAS F060200	Signed	 
Sheet No	1 of 2	Name	M. Farrier 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 18 July 2006	Quote this reference on all future communications LDSS/PAS/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F060200

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

DIFT Danish Institute of Fire Technology, Copenhagen, Denmark, Fire Test Report No. G10096, dated 26, January 1996.

CONDITIONS OF CERTIFICATION

1. Consisting of: two layers of "Rockwool Marine Fire Batt 130 (30mm thick, 130kg/m³ density) retained to the steel bulkhead with 3mm diameter welded steel pins and steel washers 38mm diameter spaced at 250mm centres on steel plate and 300mm centres on the steel stiffeners. The steel stiffeners were insulated with one layer of "Rockwool Marine Fire Batt 130 (30mm thick, 130kg/m³ density)
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
Industrivej 9-11
DK-6580 Vamdrup
Denmark

Rockwool A/S
Øster Doense
DK-9500 Hobro
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Rockwool A/S
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Norway

M.



Martin Farrier
Lead Specialist
Product Approval Services
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).