


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 - Marine & Offshore
Address	Hovedgaden 584 2640 Hedehusene Denmark
Type	A-60 BULKHEAD
Description	Aluminium Bulkhead Insulated on Both Sides with "Rockwool Marine Firebatts"
Specified Standard	IMO Fire Test Procedure 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	10 February 2006	Expiry date	9 February 2011
Certificate No.	SAS F060036	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 10 February 2006	Quote this reference on all future communications LPA/SPS/FITA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F060036

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Danish Institute of Fire Technology, (Formerly DANTEST), Copenhagen, Denmark, Fire Test Report No. PG 10699, dated 3 October 2000.

CONDITIONS OF CERTIFICATION

1. When used in conjunction with an aluminium bulkhead to maintain a maximum core temperature of 200°C.
2. Consisting of: an aluminium structural bulkhead insulated on both sides with two layers of "Rockwool Marine Firebatts 130 (30mm thick, 130kg/m³ density) with staggered insulation joints and retained to the steel substrate by 3mm diameter steel pins and steel washers spaced at 300mm centres.
3. 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 Hovedgaden 501 DK-2640 Hedehusene Denmark	Rockwool A/S Industrivej 9-11 DK-6580 Vamdrup Denmark	Rockwool A/S Øster Doense DK-9500 Hobro Denmark	Rockwool A/S Vaerlegt. 56 Postbox 55 N-1501 Moss Norway	Rockwool A/S Leangen Alle 1 Postbox 3903 N-7002 Trondheim Norway
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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).