



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-30 DECK
Description	Steel Deck insulated on underside with Rockwool Marine Batts 45 (Minimum thickness 45mm, 45kg/m ³)
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	11 May 2004	Expiry date	10 May 2009
Certificate No.	SAS F040159	Signed	
Sheet No	1 of 2	Name	B. McDonald 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.

DESIGN APPRAISAL DOCUMENT

Date 11 May 2004	Quote this reference on all future communications MSG/STAT/DCG/FITA/BM
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F040159

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Danish Institute of Fire and Security Technology, Hvidovre, Denmark, Test Report File No. PG10985, Serial No. 8431, dated 11 March 2002.

CONDITIONS OF CERTIFICATION

1. When used in conjunction with steel deck.
2. Insulation retained to substrate with 3mm diameter welded steel pins and 38mm diameter steel spring washers, 300mm centres.
3. Stiffeners covered with 30mm thick Rockwool Marine Batts 45.

PLACE OF PRODUCTION

Rockwool A/S Industrivej 6580 Vamdrup Denmark	and	Rockwool A/S Øster Doense 9500 Hobro Denmark
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Bruce McDonald 

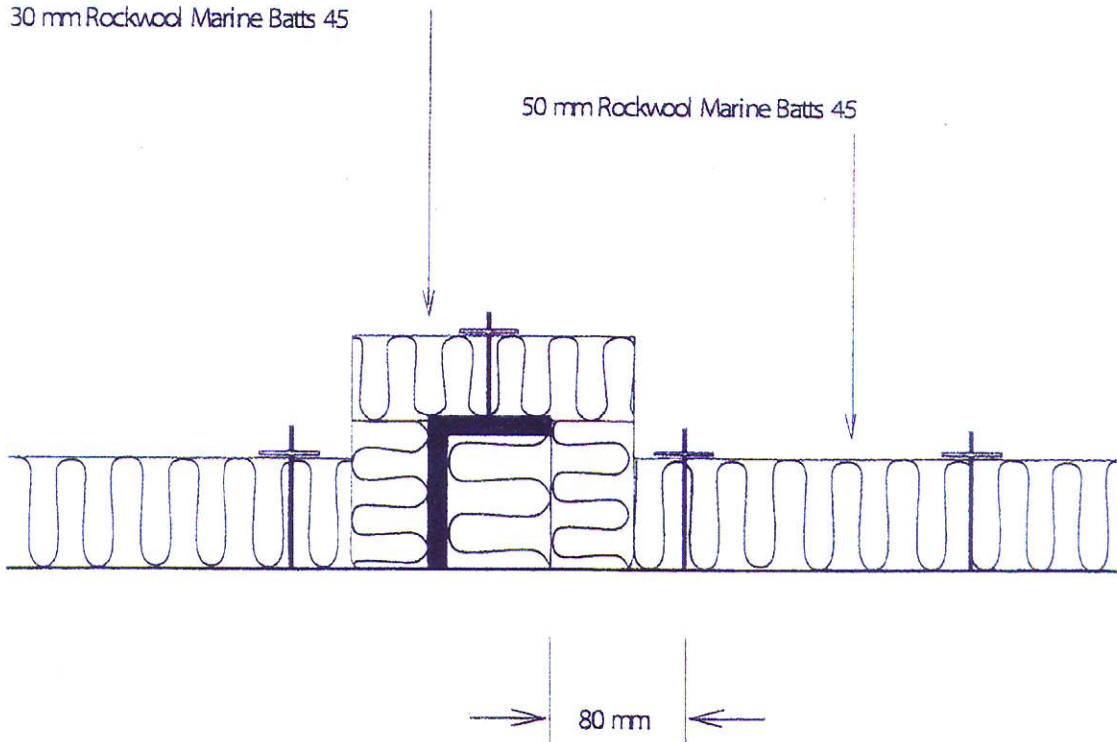
Bruce McDonald
 Surveyor
 Dry Cargo Ship Section
 Statutory Section
 Marine Support Group
 Lloyd's Register EMEA

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).

30 mm Rockwool Marine Batts 45

50 mm Rockwool Marine Batts 45



Lloyd's Register EMEA
London Office
Lloyd's Register
BM

Date: 2002.08.13

Drawing: EJ /2

Scale: Not to scale

A-30 DECK
50 mm Rockwool Marine Batts 45
and 30 mm Rockwool Batts 45

ROCKWOOL®

Rockwool A5