



Confirmation of Type Approval

This is to certify that, pursuant to the Rules of American Bureau of Shipping (ABS), on 03/JAN/2007 the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) and a valid Product Design Assessment (PDA) for the below listed product, entitling the product to type approval. The validity of the Manufacturing Assessment is dependent on satisfactory audits as required by the Rules. The Product Design Assessment is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

For Date of ABS Rules used for evaluation; Please refer to the ABS Rules below.

This Confirmation of Product Type Approval is valid as of the date shown above for the below listed product.

ABS makes no representations regarding type approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that the Client has full responsibility for continued compliance with the evaluation standard, whether the standard is an ABS Rule or a non-ABS Rule. As specified in the ABS Rules, Unit Certification may be required in addition to Product Type Approval. Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

Rockwool A/S Model Name(s): A 60 Bulkhead

Presented to:

Rockwool A/S
Hovedgaden 584
Hedehusene
DK-2640
Denmark

Intended Service:

Fire retardant bulkhead

Description:

The bulkhead was insulated with Rockwool Marine Firebatts 100 (100Kg/m3). The surface insulated with 60 mm thickness and the stiffeners are coated with the same mineral wool having thickness of 25mm. The mineral wool is mounted to the bulkhead plate with steel pins and washers.

Ratings:

A-60

Service Restrictions:

Unit Certification is not required for this product.

Comments:

Not Applicable

Notes / Documentation:

RINA test reports 2004CS01428/3 & 2004CS01428/5

Term of Validity:

This Design Assessment Certificate number 04-LD453794/5-PDA, dated 05/Dec/2006 will expire on 04/Dec/2011 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2007, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

ABS Rules:

National Standards:

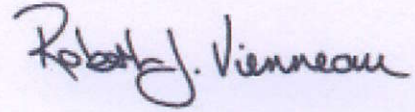
International Standards:

IMO FTP Code Resolution A.754 (18)

Government Authority:

EUMED:

Others:



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.



CERTIFICATE NUMBER

04-LD453794/5-PDA

DATE

05 December 2006

ABS TECHNICAL OFFICE

London Ship Engineering

CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of

Rockwool A/S

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Fire Protection Bulkhead

MODEL: A 60 Bulkhead

ABS RULE:

OTHER STANDARD: IMO FTP Code Resolution A.754 (18);

AMERICAN BUREAU OF SHIPPING

Reginald M. (Mike) Bell

Engineering Type Approval Co-ordinator

Rockwool A/S
Hovedgaden 584
Hedehusene
DK-2640
Denmark
Telephone: 45-4656-1616
Fax: 45-4656-3011

MA Certificate No. CP365603-X

Product: Fire Protection Bulkhead

Model: A 60 Bulkhead

Intended Service:
Fire retardant bulkhead

Description:
The bulkhead was insulated with Rockwool Marine Firebatts 100 (100Kg/m3). The surface insulated with 60 mm thickness and the stiffeners are coated with the same mineral wool having thickness of 25mm. The mineral wool is mounted to the bulkhead plate with steel pins and washers.

Ratings:
A-60

Service Restrictions:
Unit Certification is not required for this product.

Comments:
Not Applicable

Notes/Documentation:
RINA test reports 2004CS01428/3 & 2004CS01428/5

Term of Validity:
This Design Assessment Certificate number 04-LD453794/5-PDA, dated 05/Dec/2006 will expire on 04/Dec/2011 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2007, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

STANDARDS

International:
IMO FTP Code Resolution A.754 (18)

