

COPY



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Maritime and Coastguard Agency
An Executive Agency of the Department for Transport

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that :

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC and 2002/84/EC subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer Roxul Asia Sdn Bhd.
Address 175A & B, Kawasan Perindustrian Air Keroh
Jalan Lingkungan Usaha
75450 Melaka
Malaysia
Annex A1 Item A.1/3.11 - 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (a) "A" Class Division
USCG Category Number 164.105 - "A" AND "B": CLASS DIVISION FIRE INTEGRITY
Product Type A-30 BULKHEAD
Product Description Steel Bulkhead Insulated on one side with "Roxul Marine Firebatts 45"
(Thickness 50mm, density 45kg/m³)
Specified Standard IMO Fire Test Procedures Code, Annex 1, Part 3

The attached Design Appraisal Document (schedule) forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 28 September 2005 Expiry date 27 September 2010

Certificate No. MED 0550271

Signed


Lloyd's Register Verification Ltd
Kuala Lumpur Office Lloyd's Register

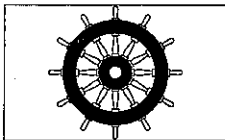
Sheet No 1 of 2

Name

B. McDonald
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

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 the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(f) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

yy = Last two digits of year mark affixed.

This product has been assigned a U.S. Coast Guard Module B number:

USCG Module B number: 164.105/EC0038/MED 0550271

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to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

This certificate is issued under the authority of the MCA.

Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group. Registration number 4929226. Registered office 71 Fenchurch Street, London EC3M 4BS, England.

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Document number MED 0550271
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 28 September 2005	Quote this reference on all future communications LPA/FSS/SPS/FTTA/BM
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 0550271

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

APPROVAL DOCUMENTATION

DIFT Danish Institute of Fire Technology (Formerly DANTEST), Copenhagen, Fire Test Report No. G10148, dated 9 April 1996.

CONDITIONS

1. Steel bulkhead insulated on one side with 50mm "Roxul Marine Firebatts 45" (density 45kg/m³) and 25mm over the bulkhead stiffeners.
2. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E), or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
3. This product has been assigned a U.S. Coast Guard Module B number 164.105/EC0038/MED 0550271 to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.


In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not Lloyd's Register Verification Ltd., such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly.

Note: For products placed on board U.S. flagged ships there is no declaration of conformity required to meet U.S. Coast Guard requirements

4. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.

PLACE OF PRODUCTION

Roxul Asia Sdn Bhd
 175A & B, Kawasan Perindustrian Air Keroh
 Jalan Lingkungan Usaha
 754050 Melaka
 Malaysia

Bruce McDonald
 Lloyd's Register Verification Ltd
 Kuala Lumpur Office 
 Bruce McDonald
 Senior Surveyor
 For and on behalf of Lloyd's Register Verification
 LRV EC Distinguishing No. 0038