



Lloyd's
Register

Notified Body authorised by the MCA

USCG-EU MRA



Maritime &
Coastguard
Agency

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

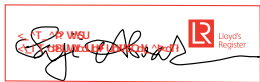
This is to certify that :

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 /*(Life Saving Appliance)/(Marine-pollution prevention)/(Fire protection)/(Navigation)/ requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC, 2009/26/EC, 2010/68/EU, 2011/75/EU, 2012/32/EU and 2013/52/EU subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer	BBMG Energy Saving Material & Technology Company
Address	Gaojing #2, Chaoyang District, Beijing 100123 People's Republic of China
Annex A1 Item	A.1/3.11a 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (a) 'A' CLASS DIVISIONS
USCG Category Number	164.108 'A' AND 'B' CLASS DIVISION, FIRE INTEGRITY (BULKHEAD PANELS)
Product Type	A-60 BULKHEAD
Product Description	Steel Bulkhead Insulated on one side with Type: "CY-120" Mineral Wool Insulation (60mm thick, 120 kg/m ³ density)
Specified Standard	IMO Res. MSC.307(88)-(2010 FTP Code) Annex 1, Part 3

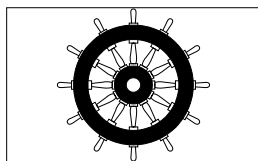
The attached Design Appraisal Document (schedule) forms part of this certificate.

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	15 June 2015	Expiry date	14 June 2020
Certificate No.	MED 1550145	Signed	
Sheet No	1 of 3	Name	S. Abraham 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(i) 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: 164.108/EC0038

USCG-EU MRA

to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment."

This certificate is issued under the authority of the MCA.

Lloyd's Register Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK. A subsidiary of Lloyd's Register Group Limited.

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Document number MED 1550145
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 15 June 2015	Quote this reference on all future communications MTES/SFS/TA/DQW/SA/WP21412945
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1550145

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

Far East Fire Testing Centre (FEFTC), Shanghai, China; Fire Test Report No. FT14370 dated 1 December 2014.

CONDITIONS OF CERTIFICATION

1. A-60 Class steel bulkhead insulated on one side with two layers of (30mm thick, 120 kg/m³ density) type: "CY-120" mineral wool insulation manufactured by BBGM Energy Saving Material & Technology Company. The two layers of insulation is retained to both the steel plate and the stiffeners using 3mm diameter steel pins and 30mm diameter steel washers at maximum 366mm x 250mm staggered joints and at a maximum distance of 50mm from all joints and edges.
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 USCG Approval Category xxx.xxx/EC0038** to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment".

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.



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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1550145

PLACE OF PRODUCTION

BBGM Energy Saving Material & Technology Company
Dachang Branch
Xia'an Road, #8, Dachang County,
Hebei Province
People's Republic of China



Saji Abraham
Senior Specialist
Statutory Fire and Safety
Marine Technology and Engineering Services
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038