

MARINE DIVISION

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Certificate number: 11553/B1 EC

File number : ACI 1200/115/003

Annex A1 Item number : A.1/3.16

USCG approval category : 164.136

This certificate is not valid when presented without the full attached schedule composed of 7 sections

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
as last amended by Commission Directive 2002/75/EC of 2 September 2002*

This certificate is issued to

BOLTON GATE COMPANY LTD

Bolton - UNITED KINGDOM

for the type of product

FIRE DOORS

"A-0 USCG" vertical drop rolling shutters"

Regulations and standards :

SOLAS 74 Convention, as amended, Regs. II-2/9.4.1.1.2, II-2/9.4.2 - IMO Resolution MSC.61(67) [FTP Code] Annex 1, Part 3 - IMO Resolution A754 (18) - IMO MSC/Circ. 916 - IMO MSC/Circ. 1004.

This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended



This certificate is valid until : 26 Feb 2012

At Paris la Défense, on : 30 Nov 2007

For BUREAU VERITAS, Notified Body N°0062

By order of the Secretary

Approval office

Local office : BV LONDON

Surveyor : S. Yule

L.COURREGELONGUE



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS S.A. is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

"A-0 Class DROP ROLLING SHUTTERS"

Fire resisting shutter curtain made of galvanised mild steel, 0.9 mm thick, 51 mm flat laths, screwed to a barrel ; each lath is interlocked to adjacent laths.

Barrel/casing exposed to fire during the fire test.

Non power-operated shutter:

- All other components: end plate roller shutter, end plate supports, guide support, guide channel and dropbar guide, barrel, shafts, bottom rail, smoke trap angle, casing and drop weight to be as per Manufacturer's specifications.
- Doorset clear opening: 2290 x 2620 mm (height x width)

Power-operated shutter:

- Motor unit: 24v DC Tubular motor type R80/8G HK manufactured by Becker.
 - All other components: end plate, cover plate (Drive end), guide support angle, guide channel, barrel, shafts, bearing unit, bottom rail, smoke trap angle and casing to be as per Manufacturer's specifications.
- Doorset clear opening: 2500 x 4000 mm (height x width)

2. DOCUMENTS AND DRAWINGS :

2.1- Non power-operated shutter: as per Manufacturer's drawings N° 03/6001A, 03/06/2001B, 03/6000A, 03/06/2001A and 03/6002A from Manufacturer.

2.2- Power-operated shutter: as per Manufacturer's drawings Figures 2, 3 and 4 contained in WF Test report N° 163858 (See 3.2).

3. TEST REPORTS :

3.1- Non power-operated shutter: Test report N° WARRES 118551 dated 25.07.2001 as per IMO Resolution A.754 (18) from Warrington Fire Research Laboratories, United Kingdom.

3.2. Power-operated shutter:

- Fire test of a 2290 x 2724 mm shutter: WF Test report N° 163858 dated 28.06.2007 as per IMO Resolution A.754 (18) from Warrington Fire Research Laboratories, United Kingdom.
- Technical assessment for 2500 x 4000 mm shutters: WF Test report N° 165655 dated 20.07.2007 as per IMO Resolution A.754 (18) from Warrington Fire Research Laboratories, United Kingdom.

4. APPLICATION / LIMITATION :

4.1- Approval valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A649 (The "MODU Code").

On board installation & Maintenance requirements:

4.2- The Manufacturer's instruction manual should be kept on board.

4.3- The fitting aboard to be the same as used for the test.

4.4- Requirements for A-class fire doors are applicable for installation on board, including type of operation. This is to be considered in each application.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - This certificate does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - Each equipment or batch of equipment is to be supplied with its manual (or instruction) for installation, use and maintenance in the language required by the Ship's Flag Administration.

5.3 - The "A-0 USCG" vertical drop rolling shutters are to be manufactured, examined and tested by **BOLTON GATE COMPANY LTD.**, in accordance with the type described in this certificate.

6. MARKING OF PRODUCT :

Markings as per MED 96/98/EC when authorized by a Notified Body :

☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004, the product(s) marked as per MED 96/98/EC may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

7. OTHERS :

7.1 - This approval is given on the understanding that the Manufacturer will accept full responsibility for informing shipbuilders or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes EC Type Examination Certificate N° 11553/B0 EC issued on 26/02/2007 by the Society.

*** END OF CERTIFICATE ***