

## 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, 2002/84/EC, 2008/67/EC and 2009/26/EC subject to any conditions in the Design Appraisal Document attached hereto.

<b>Manufacturer</b>	Bru Textiles
<b>Address</b>	Satenrozen 2A B-2550 Kontich Belgium
<b>Annex A1 Item USCG Category Number</b>	A.1/3.19 - DRAPERIES, CURTAINS & OTHER SUSPENDED TEXTILE MATERIALS AND FILMS 164.111 - DRAPERIES, CURTAINS & OTHER SUSPENDED TEXTILES
<b>Product Type</b>	MATERIAL HAVING QUALITIES OF RESISTANCE TO THE IGNITION AND PROPAGATION OF FLAME
<b>Description</b>	Fire Resisting Curtain or Drapery Fabrics - Types: "FR One Architectural, FR One Brilliance, FR One Calais, FR One Eclipse, FR One Essence, FR One Essential, FR One Lux, FR One Nevada, FR One Orangerie, FR One Romance, FR One Web, FR One Skylight "
<b>Specified Standard</b>	IMO Res. MSC.61(67)-(FTP Code) Annex 1 Part 7 IMO MSC/Circ.1120

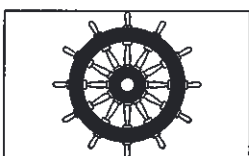
The attached Design Appraisal Document (schedule) forms part of this certificate.

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	6 September 2010	Expiry date	6 July 2015
Certificate No.	MED 1050163/M1	Signed	 
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(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: 164.111/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 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 1050163/M1
Issue number	1

### DESIGN APPRAISAL DOCUMENT

Date	6 September 2010	Quote this reference on all future communications	LDSS/TA/SFS/BM
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#### ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 1050163/M1

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

CENTEXBEL - GENT, Belgium, Fire Test Report Nos.:-

("FR One Architectural") - 54483/B, 54483/G, 54483/C, 54483/M, 54483/N, 54483/D, 54483/K, 54483/L, 54483/E and 54483/H, all dated 18 December 2006, ("FR One Brilliance") - 55684 dated 5 March 2007, ("FR One Calais") - 61449/B dated 13 March 2008, ("FR One Eclipse") - 48964/C dated 22 December 2005, ("FR One Essence") - 54483/I dated 18 December 2006, and 48964/H, 48964/D both dated 22 December 2005. ("FR One Essential") - 48964/G dated 22 December 2005. ("FR One Lux") - 55782 dated 5 March 2007 and 52717/B, dated 6 September 2006. ("FR One Orangerie") - 52960, 52961, 52957 all dated 27 September 2006, 56253 dated 30 March 2007, 52963 dated 7 September 2007 and 52718/B dated 6 September 2006. ("FR One Romance") - 61450/B dated 14 March 2008. ("FR One Web") - Essential - 48964/G dated 22 December 2005. ("FR One Skylight") - 61448/B dated 12 March 2008.

#### CONDITIONS OF CERTIFICATION

1. Materials tested: curtain fabric types (as detailed below), consisting of 100% inherently flame retardant polyester. "FR One Architectural" (Weight Range 20 to 74 g/m<sup>2</sup>), "FR One Brilliance" (Weight 141 g/m<sup>2</sup>), "FR One Calais" (Weight 82 g/m<sup>2</sup>), "FR One Eclipse" (Weight 264 g/m<sup>2</sup>), "FR One Essence" (Weight range 22 to 70 g/m<sup>2</sup>), "FR One Essential" (Weight 106 g/m<sup>2</sup>), "FR One Lux" (Weight range 162 to 168 g/m<sup>2</sup>), "FR One Nevada" (Weight range 268 to 272 g/m<sup>2</sup>), "FR One Orangerie" (Weight Range 120 to 138 g/m<sup>2</sup>), "FR One Romance" (Weight range 139 to 143 g/m<sup>2</sup>) and "FR One Web" (Weight 88 g/m<sup>2</sup>), "FR One Skylight" (Weight Range 74 to 118g/m<sup>2</sup>).
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.

This product has been assigned a U.S. Coast Guard Module B number USCG Approval Category 164.111/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".

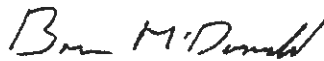
In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not Lloyd's Register Verification Ltd., such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with 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.

3. 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

Bru Textiles  
Satenrozen 2A  
2550 Kontich  
Belgium,



Bruce McDonald  
Statutory Fire & Safety Manager  
For and on behalf of Lloyd's Register Verification  
LRV EC Distinguishing No. 0038