

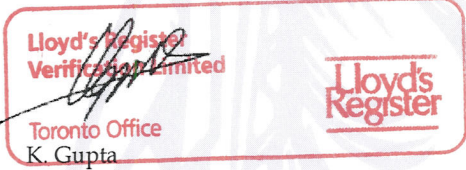
## EC TYPE EXAMINATION (MODULE B) CERTIFICATE

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 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.

<b>Manufacturer</b>	3M Company
<b>Address</b>	3M OH& ES Division 3M Center, Bldg 209-BS-01 St Paul, MN 55144-1000 United States of America (USA)
<b>Annex A1 Item</b>	A.1/1.30 - RETRO-REFLECTIVE MATERIALS
<b>Product Type</b>	RETRO-REFLECTIVE MATERIALS
<b>Product Description</b>	Retro-reflective material, for attachment by pressure sensitive adhesive - Type: "Scotchlite™ SOLAS Grade 3155"
<b>Specified Standard</b>	SOLAS 74, as amended Regulations III/4 and 34. LSA Code, Regulation I/1.2 and I/1.2.2.7. IMO Resolution A.658(16), Annex 2.

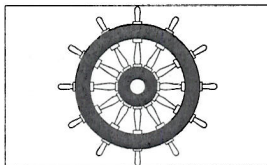
The attached Design Appraisal Document (schedule) forms part of this certificate.  
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	12 May 2008	Expiry date	11 May 2013
Certificate No.	MED 0850194	Signed	
Sheet No	1 of 3	Name	

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 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

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."



**Lloyd's Register Verification Limited**

71 Fenchurch Street, London, EC3M 4BS  
Telephone 020 7423 2940 Fax 020 7397 4246  
Email [dcg-stat@lr.org](mailto:dcg-stat@lr.org)

Page 2 of 3
Document number MED 0850194
Issue number 1

**DESIGN APPRAISAL DOCUMENT**

Date 12 May 2008	Quote this reference on all future communications LDSS/PAS/LSA/LT/KG/1-23731251
---------------------	--

**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0850194**

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.

**EXAMINED DOCUMENTATION**

Scotchlite™ SOLAS Grade 3155 Construction Plans, Attachment XIII  
3M's Safety and Security Systems Division, Personal Safety Product Department Test Reports, Attachments I-XII

**CONDITIONS OF CERTIFICATION**

1. The material shall be marked and identified as required by the applicable regulations.
2. Approval of this material is only applicable to its use when applied to life-saving appliances as defined by the applicable regulations stated on Page 1 of this certificate.
3. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
4. Production items are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or Product Verification (Module F) of the Marine Equipment Directive.
5. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or witnessed by the Notified Body (LRV) as required by the Product Verification (Module F) of the Marine Equipment Directive. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.
6. Each item, batch or lot of the equipment is to have the "Mark of Conformity" affixed and be issued with a "Declaration of Conformity"
7. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.



**Lloyd's Register Verification Limited**

71 Fenchurch Street, London, EC3M 4BS  
Telephone 020 7423 2940 Fax 020 7397 4246  
Email [dgc-stat@lr.org](mailto:dgc-stat@lr.org)

Page 3 of 3
Document number MED 0850194
Issue number 1

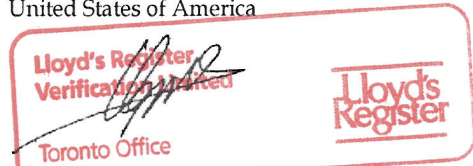
**DESIGN APPRAISAL DOCUMENT**

Date 12 May 2008	Quote this reference on all future communications LDSS/PAS/LSA/LT/KG/1-23731251
---------------------	--

**ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No.MED 0850194**

**PLACE OF PRODUCTION**

3M Company  
3M Brownwood  
4501 Hwy 377 South  
Brownwood, TX 76801  
United States of America



Kapil Gupta  
Surveyor  
For and on behalf of Lloyd's Register Verification  
LRV EC Distinguishing No. 0038

