COPY

CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Jessup Manufacturing Company
Address	P.O. Box 366 2815 West State Route 120 McHenry IL 60050 United States of America (USA)
Product Type	**PHOTOLUMINESCENT MATERIALS**
Product Description	Photoluminescent thin gauge polyester film – Type: "7500 series Glo Brite®"
Specified Standard	IMO Resolution A.752(18) DIN67510 Parts 1-4 ISO15370:2001

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

Date of issue	24 December 2011	Expiry date	23 December 2016
Certificate No.	SAS F110449	Signed	
Sheet No	1 of 2	Name	M. Farrier Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Lloyd's Register
North America Operations Office
Houston
LLOYD'S REGISTER NORTH AMERICA, INC.

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 Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

Lloyd's Register EMEA
71 Fenchurch Street, London, EC3M 4BS
Telephone 020 7423 2416 Fax 020 7423 2053
Email tad@lr.org

Document number
SAS F110449

Issue number
1

DESIGN APPRAISAL DOCUMENT

COPY

Date	Quote this reference on all future communications
24 December 2011	LDSO/SFS/TA/MF

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F110449

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request for Quotation	01 Dec. 2006
Bodycote Materials Canada Inc. Test Reports:	
06-02-605(C) Bombardier SMP 800-C Toxic Gas Generation of "7500 Series Glo Brite"	7 Sept. 2006
06-02-605(B) ASTM E 662 Rate of Smoke Generation of "7500 Series Glo Brite" Material	7 Sept. 2006
06-02-605(D) ASTM E 648 Critical Radiant Flux of "7500 Series Glo Brite" Material	7 Sept. 2006
06-02-605(A) ASTM E 162 Surface Flammability of "7500 Series Glo Brite" Film	7 Sept. 2006
KEMA Test Report 2011276-QUA/LTL 01-086 Approval testing of #7500 GLO BRITE Photoluminescent material for signs and low-location lighting systems	26 Sep. 2001

CONDITIONS OF CERTIFICATION

1. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

PLACE OF PRODUCTION

Jessup Manufacturing Company,
P.O. Box 366,
2815 West State Route 120,
McHenry,
IL 60050,
United States of America (USA)

Martin Farrier
Lead Specialist
Statutory Fire & Safety
London Design Support Office
Lloyd's Register EMEA

Lloyd's Register
North America Operations Office
Houston
LLOYD'S REGISTER NORTH AMERICA, INC.

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).