



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 Maritime Progress Limited

Address Sealand Centre
3-5 Holmethorpe Avenue
Redhill
Surrey RH1 2LZ
United Kingdom (UK)

Type LOW LOCATION LIGHTING SYSTEMS (Components Only)

Description Photoluminescent Low Location Lighting Systems- Types: "Telglow Photoluminescent Self-adhesive Flexible Vinyl Film", "Telglow photoluminescent Rigid Board" and "Telglow photoluminescent C Rigid Board"

Specified Standard IMO Resolution A.752 (18)

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 2 December 2016

Expiry date 1 December 2021

Certificate No. SAS F160366

Signed

Sheet No 1 of 3

Name

S. Abraham
Surveyor to Lloyd's Register EMEA
A Member of the Lloyd's Register Group

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 Group Limited, 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'. Lloyd's Register 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 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.



Page	2 of 3
Document number	SAS F160366
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
2 December 2016	SOUTSO/SFS/TA/JE/SA/WP26451959

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F160366

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Bodycote Testing GmbH, Frankfurt, Germany; Test Reports No. 2009-1873 dated 7th September 2009, 2009-1741 dated 28th July 2009 and 2009-1740 dated 28th July 2009, for response to ignition by a small flame-edge ignition according to DIN 53 438 Part 2.

TUV Fahrzeug-Lichttechnik GmbH, Rhinstraße 46D - 12681, Berlin, Germany; Technical report No. 535 4312 dated 15th November 2009, for measurement of afterglowing characteristics according to ISO 15370 Annex A.

CONDITIONS OF CERTIFICATION

1. Types: "Telglow Photoluminescent Self-adhesive Flexible Vinyl Film", "Telglow photoluminescent Rigid Board" and "Telglow photoluminescent C Rigid Board" consisting of: a laminate incorporating a photoluminescent layer, backed by either a flexible or rigid white thermally welded reflective material. The flexible laminate is 0.6 mm thick and the rigid laminates are 1.4mm thick and are fitted using cross linked acrylic pressure sensitive adhesive
2. The laminate strip is produced 90 mm wide; however, strips should be no less than 75mm wide. Where strips are less than 75mm wide, consideration should be given to increasing their luminance proportionally to compensate for their width in accordance with IMO Resolution A.752 (18) Annex Paragraph 7.1 and Annex D of ISO 15370
3. Arrangements in each case to be approved by Lloyd's Register at the design stage in accordance with IMO Resolution A.752 (18)
4. After the installation, photo luminescent systems shall be tested at the place of use in accordance with Annex B of ISO 15370 at least twice on each deck and the measurements shall be recorded in accordance with Annex C of ISO 15370. This measurement shall be repeated and recorded whenever the lighting system, walls, floor or ceiling decorations in the area are substantially changed
5. All ship installations should have their luminance tested at least once every five years. All photo luminescent materials are to be provided with no less than the minimum level of ambient light necessary to charge the material to meet the luminescence requirements of at least 15mcd/m² at 10 minutes and 2mcd/m² at 60 minutes
6. 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

NOTE

Other Applicable Standards:

SOLAS 2004 Chapter II-2 Part D Regulation 13.3.2.5.1, FSS Code Chapter 11, DIN 53 438 Part 2 - Response to ignition by a small flame (edge ignition)



Lloyd's
Register

Lloyd's Register EMEA

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

Page	3 of 3
Document number	SAS F160366
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
2 December 2016	SOUTSO/SFS/TA/JE/SA/WP26451959

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F160366

PLACE OF PRODUCTION

Telegan Pressed Products Ltd
Unit 3, Old Mercedes Building
Stour Road, Harwich
Essex, CO12 3HF
United Kingdom (UK)


Lloyd's Register EMEA

Saji Abraham
Senior Specialist
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

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).