



CERTIFICATE OF TYPE 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 3M Personal Safety Division

Address 3M Center, 235-2F-06
St. Paul, MN 55144-1000
United States of America (USA)

Product Type **RETRO-REFLECTIVE MATERIAL**

Product Description Retro-reflective material. For attachment by stitching/sewing -
Type: "Scotchlite™ SOLAS Grade 6755".

Specified Standards IMO Resolution A.658 (16), Annex 2.

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 8 August 2018

Expiry date 7 August 2023

Certificate No. SAS S180050

Signed

Sheet No 1 of 3

Name

B. McDonald
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 S180050
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
8 August 2018	UKITSO/SFS/TA/LSA/BM/WP33503606

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S180050

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate

This Certificate is a renewal of Certificate No. SAS S130056

EXAMINED DOCUMENTATION

- Scotchlite™ SOLAS Grade 6755 Construction Plans, Attachment XII
- 3M's Safety and Security Systems Division, Personal Safety Products Department Test Reports, attachments I - XI

TEST REPORTS

- Test report for Seawater Immersion test, dated 30.04.07
- Test report for Adhesive Strength tests, dated 30.04.07
- Test report for Temperature Resistance test, dated 30.04.07
- 3M Master Test Report List dated 8-7-13 - SOLAS Application for Statutory Type Approval for 3M 3150-A, 6750-I and 6755
- Lloyd's Register Factual Statement # WO3261797
- Lloyd's Register Verification Visit Report - Calvard January 2012

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 a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5
5. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81(70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. 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. 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

Lloyd's Register EMEA

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Page	3 of 3
Document number	SAS S180050
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PLACE OF PRODUCTION

3M Brownwood
4501 Highway 377 South
Brownwood, TX 76801
United States of America (USA)


Lloyd's Register EMEA

Bruce McDonald
TSC Manager - Americas, Marine
Lloyd's Register Americas
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).