



Marine & Offshore
Division

Certificate number: 09567/D0 EC

File number: LSA 3531/01

Annex A1 Item number: A.1/1.30

This certificate is not valid when presented without the full
attached schedule composed of 7 sections

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Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

EC TYPE EXAMINATION CERTIFICATE

as per Module B of European Union Council Directive 96/98/EC on marine equipment
as amended by Commission Directive 2013/52/EU

This certificate is issued to

Orafol Americas Inc.

Avon - UNITED STATES OF AMERICA

for the type of product

RETRO-REFLECTIVE MATERIALS

Reflexite FD1404-1545

(2043-0015-000-0762)

Requirements:

SOLAS 74 Convention as amended, Regulations III/4, III/34 and X/3

IMO Res. MSC.48(66) amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87) and MSC.320(89) & MSC.368(93) I

IMO Res. MSC.36(63)-(1994 HSC Code)- as amended, 8, IMO Res. MSC.97(73)-(2000 HSC Code)- as amended, 8

IMO Res. A.658(16) and IMO MSC/Circ.980

This certificate is issued on behalf of the French Maritime Authorities to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended.

This certificate will expire on: 27 Apr 2020

For BUREAU VERITAS Notified Body 0062,

At BV PORT EVERGLADES CENTRE, on 27 Apr 2015,

Flavio Rosas



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

"Reflexite FD1404-1545" (2043-0015-000-0762) flexible retro-reflective material consists of microprisms enclosed in a transparent film. The product is Reflexite PVC/metallized and the material is provided with acrylic pressure sensitive adhesive as tapes or sheeting for application to Life-Saving appliances to assist in their detection.

The tapes or sheeting do not require an additional primer when fitted to painted wood, metallic surfaces or glassfibre. A suitable primer should be used when the tape is fitted to the following substrates:

PU coated fabrics.	PVC coated fabrics	PE coated fabrics	Rubber
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2. DOCUMENTS AND DRAWINGS :

- Drawings and specifications:

Number	Title	Issue	Date
2043-0015-000-0762	Product Offering Reflective Solutions America	4	03/16/2010
APP-03	Application instructions	2	02/03/2006

- Manual(s) for installation use and maintenance.S

No departure from these documents is permitted without the prior consent of the Society.

3. TEST REPORTS :

Test Report		
Number	Description	Date
N°95-DG-222/1-TO	Type tested by REGISTRO ITALIANO NAVALE (RINA)	18/12/1996

4. APPLICATION / LIMITATION :

- As per requirements stated on front page of this certificate.
- Type I: Flexible materials not for continuous outdoor exposure.

5. PRODUCTION SURVEY REQUIREMENTS :

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

The manufacturer shall institute a quality control procedure to ensure that the retro-reflective material are produced to the same standard as the approved prototype and shall keep records of any production tests carried out.

The retro-reflective material shall be supplied with its Manual(s) for Installation, use & maintenance.

For information concerning the production phase modules, Orafol Americas Inc. has declared that the product may be manufactured at the following manufacturing places :

The base material will be manufactured by **ORAFOL Americas Inc.** in Avon CT and shipped to **ORAFOL Europe GmbH, Reflective Solutions Ireland** and **ORAFOL Americas Inc.** in Avon CT for conversion into final product.

Adresses:

ORAFOL Americas Inc. (Applicant) 120 Darling DR. Avon, CT 06001 - USA	ORAFOL Americas Inc. (Designer and Manufacturer of base material/Films/Conversion into finished products) 120 Darling DR. Avon, CT 06001 - USA
ORAFOL Europe GmbH, Reflective Solutions Ireland (Conversion into finished products) Unit 5 - Cleaboy Business Park - Old Kilmeaden Rd Waterford, Ireland	

6. MARKING OF PRODUCT :

- Maker's name or trade mark
- SOLAS
- Markings as per MED 96/98/EC: ☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

7. OTHERS :

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the retro-reflective material at any time and that the Manufacturer will accept full responsibility for informing purchasers of the conditions of this approval.

This certificate cancels and replaces the previous one No 09567/C3 EC issued by Bureau Veritas on 19/01/2015.

***** END OF CERTIFICATE *****