



**BUREAU
VERITAS**

*Marine & Offshore
Division*

Certificate number: 15702/C0 MCA

File number: LSA 1626/40

Product code: C3300

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

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CERTIFICATE OF TYPE APPROVAL

This is to attest that BUREAU VERITAS, specified as a "person" under the terms of the Merchant Shipping (Delegation of Type Approval) Regulations 1996, did undertake the relevant type approval procedures of the product identified below which was found to be in compliance with the essential safety requirements subject to any conditions in the attached schedule.

This certificate is issued to

SURVITEC SAS

CHEVANCEAUX - FRANCE

for the type of product

INFLATABLE LIFERAFTS (NON-SOLAS)

SURVITECZODIAC Non SOLAS Open Reversible Inflatable Liferaft DOT 65 person "E PACK"

Requirements:

Part III Regulation 10 of the Merchant Shipping (Life Saving Appliances for Passenger Ships of Classes III to VI(A)) Regulation 1999

Schedule 4, Part 4 of the MSN 1676(M)

IMO Resolution MSC.81(70) Part 1 Section 5

This certificate will expire on: 16 Nov 2021

For BUREAU VERITAS,

At BV BORDEAUX, on 16 Nov 2016,

Mathieu OLIVIER



Maritime & Coastguard Agency

Recognised Organisation authorised by the MCA

This certificate is issued under the authority given in the Merchant Shipping Notice No. MSN 1735(M+F) as amended to date.

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. 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 :

SURVITECZODIAC 65 man Open Reversible Inflatable Liferaft – DOT 65 person with DOT(UK) “E” pack.

Overall dimensions of the inflated liferaft (mm)			Working pressure (mb)	Weight (kg)
Length	Width	Height		
6185	5270	850	162	175

As indicated in the technical documentation submitted by the Applicant.

2. DOCUMENTS AND DRAWINGS :

- Drawings and specifications:

Number	Title	Issue	date
CHXBE 015	SURVITECZODIAC OPEN REVERSIBLE LIFERAFT DOT R 65	C	27/09/2016

- Material and components :

Number	Title	Issue	date
D.I.F 02	Suppliers file for liferafts COASTAL-TO-TOSR-DL-DLSR-ORIL	K	28/12/2015

- Manual(s) for installation use and maintenance.

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

3. TEST REPORTS :

LIFERAFT TYPE TESTS

Number	Title	Issue	Date
---	Tests performed on the Liferaft	---	03/10/2016

TOWING FORCE

	With the sea anchor deployed	Without the sea anchor deployed
Towed at 2 knots	132 daN	126 daN
Towed at 3 knots	196 daN	186 daN

TESTS ACCORDING TO THE RECOMMENDATIONS OF THE GUIDELINES MSC.1/CIRC.1328

Number	Title	Issue	Date
---	Tableau récapitulatif des essais EPS (EPS Tests Summary)	---	28/05/2013

4. APPLICATION / LIMITATION :

- As per requirements stated on front page of this certificate.
- Maximum capacity: 65 persons having an average mass of 75 kilogrammes.
- Maximum permitted stowage height above waterline : 18 meters
- The maintenance of the liferaft shall be carried out according to the MSN 1676(M), the IMO Resolution A.761 (18) as amended and the instructions stated in the Manual(s) for installation use and maintenance.

5. PRODUCTION SURVEY REQUIREMENTS :

Open Reversible Inflatable Liferaft are to be supplied by SURVITEC SAS in compliance with the type described in this certificate.

This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

SURVITEC SAS has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

SURVITEC SAS shall institute a quality control procedure, in order to ensure that all liferafts are produced to the same standard as the prototype approved by the Society, and shall keep records of any production tests carried out in accordance with requirements of SOLAS 2001, Regs.III/5 and IMO Resolution MSC.81(70), Part 2.

Each Liferaft, or batch of Liferaft, is to be supplied with its Manual for Installation, use and maintenance and instruction for servicing stations for frequency and tests to be carried out according to IMO A 761 Resolution.

Survitec SAS, France has declared to Bureau Veritas that the liferafts described in this certificate are manufactured at the following production site:

Survitec SAS

Route de Chatenet - 17210 Chevanceaux - France

6. MARKING OF PRODUCT :

Markings on container	Markings on inflatable liferaft
Maker's name or trade mark.	
Serial Number	
DOT (UK) approved	
Number of persons it is permitted to carry	Number of persons it is permitted to accommodate over each buoyancy tube, in characters not less than 100 mm in height of a colour contrasting with that of the liferaft.
Date when last serviced	Name and place of servicing station where it was last serviced
Type of emergency pack enclosed	Date of manufacture (month and year)
Length of painter	
Maximum permitted stowage height above waterline	
Launching instructions	
NON-SOLAS REVERSIBLE	

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 inflatable liferafts at any time, and that **Survitec SAS, France**, will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the liferaft and the conditions of this approval.

This certificate supersedes the certificate N° 15702/B1 MCA, issued on 09/02/2012 by Bureau Veritas.

*** END OF CERTIFICATE ***