Certificate No: LR26207557MB

Issue Date: 11/05/2026

Expiry Date: 10/05/2031

Notified Body authorised by
BSH 0800-S23/4822:013

EC Type Examination (Module B) Certificate

This is to certify that:
LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a “notified body” based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	**Survitec Group Ltd.**
Address	Kingsway, Dunmurry, Belfast, Northern Ireland, BT17 9AF, United Kingdom
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2025/1533
Regulation Item (No. & Item Designation)	MED/1.12 Inflatable Liferafts
Product Type	Liferafts
Product Description	158 person canopied reversible inflatable liferaft packaged for extended service intervals
Specified Standard	SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3. SOLAS 74 Reg. III/13, SOLAS 74 Reg. III/21, SOLAS 74 Reg. III/26, SOLAS 74 Reg. III/31, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) IV, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC/Circ.811, IMO MSC.1/Circ.1328, IMO MSC.1/Circ.1630 Rev 2. Resolution MSC 81 (70) Amended by Resolution MSC.200(80),MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89),MSC.323(89), MSC.378(93), MSC.427(98), MSC.472(101), MSC 488(103), MSC.544(107),MSC.563(108), MSC.568(109) and MSC.580(110) as applicable.

Lijo Thomas

Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.
A member of the Lloyd's Register group

Lijo Thomas

Fire & Safety - Senior Surveyor
For and on behalf of Lloyd’s Register Marine Deutschland GmbH (2923)

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 '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.

Certificate No: LR26207557MB
Issue Date: 11/05/2026
Expiry Date: 10/05/2031

Notified Body authorised by
BSH 0800-S23/4822:013

EC Type Examination (Module B) Certificate

IMO Res. MSC.481(102). MSC.1/Circ.1328

Row of the Regulation Item	Row 2 of 2 of REGULATION(EU) 2025/1533
Trade Name	MARIN ARK MK II Liferaft

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D,E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.
A member of the Lloyd's Register group

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 '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.

ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26207557MB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

Approval Documentation

Marin Ark MK2 Liferaft technical file, dated 12 February 2009.

RFD BEAUFORT Ltd.-Design Change Sheet No 9732, Rev.2 issued on 17/11/2011.

RFD BEAUFORT Ltd Design Change Sheet No 9853 “Additional Life raft Cylinder Protection” issued on 01.12.2011.

RFD BEAUFORT Ltd, Design Change Sheet No DCS9944, issued on 06/06/2012.

SURVITEC GROUP Ltd, Design Change Sheet No DCS0241, issued on 26/03/2013.

SURVITEC GROUP Ltd, Design Change Sheet No DCS0352, issued on 23/08/2013.

Marin Ark 158 Hull Assembly Drawing No D60001, Rev 5, 11/08/2008

Design change sheet for the acceptance of solutioned fabric doublers instead of cleats, Document No: DCS 2020-174 A1, dated 10/03/2021.

Design change sheet for the acceptance of coated structural fabric to Survitec specification RFD1015, Document No: DCS 2024-206, dated 06/11/2024.

Test Reports

MSC/Circ 980 Inflatable life raft test 4.1-4.1.35, dated 13.06.08- 13.02.09, witnessed by Lloyds Register surveyor.

RFD Limited test reports:

Test Report No.		Dated
20/2009	Drop test	26/02/2009
32/2008	Towing test	23/06/2008
34/2008	Mooring Out test	23/06/2008
09/2009	Liferaft painter system test	29/01/2009
12/2009	Swimming pool test	29/01/2009
13/2009	Buoyancy of float free liferaft test	29/01/2009
33/2008	Ambient Inflation test	24/06/2008
20/2010	Cold inflation test	10/05/2010
37/2008	Hot inflation test	08/08/2008
35/2008	Submergence test	21/11/2008
14/2009	Wind velocity test	05/11/2008
08/2009	Jump test	29/01/2009
21/2009	150 N Painter Pull test	26/02/2009

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 '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.

30/2011	Drop Test of Marin-Ark Mk2 158 Person as witnessed by a LR surveyor	30/06/2011
02/2012	Deployment test	30/01/2012
21/2013	Liferaft deployment as witnessed by a surveyor acceptable to LR	17/04/2013
07/2009	Detailed Inspection	29/01/2009
Extended Service Interval Tests		
TR 2017 065	Drop Test	25/08/2017
TR 2017 066	Pressure Test, Air Holding Test, Floor Seam Test	31/08/2017
TR 2017 067	Pressure Test, Air Holding Test, Floor Seam Test	31/08/2017
TR 2017 072	Humidity Measurement	31/08/2017
TR 2017 060	Humidity Measurement	28/07/2017
TR 2017 061	Cold Inflation Test	21/07/2017
TR 2017 063	Pressure Test, Air Holding Test, Floor Seam Test	22/08/2017
TR 2017 064	Pressure Test, Air Holding Test, Floor Seam Test	25/08/2017
TR 2017-073	Test protocol Rev 2	27/09/2017
75938762	TUV report, Vibration and Temperature Testing of Marin Ark MK2 158 person extended service interval liferaft	25/09/2017

Test report for the acceptance of coated structural fabric to Survitec specification RFD1015 conducted at Shirley Technologies, Document No: DM-QTD 2024-001, revision 2 and Shirely technology test reports E-033823 (2) , E-036767 , 2024EP3257 listed thereon.
Packing Trial & Weight Test of Marinark Mk1, Marinark Mk2 & Ferryman 50 made with coated structural fabric to Survitec specification RFD1015, Document No: DM-QTD 2024-045, Revision 1, dated 29th October 2024.
Jump Test on Ferryman 50 made with coated structural fabric to Survitec specification RFD1015, Document No: DM-QTD 2024-046, Revision 1, dated 05th September 2024.
Overpressure Test on Ferryman 50 made with coated structural fabric to Survitec specification RFD1015, Document No: DM-QTD 2024-051, Revision 1, dated 05th September 2024.
Mooring out and overpressure test on Marine MK4 25DL liferaft made with coated structural fabric RFD1015, Document No: 15/2016, dated 13 June 2016.

Conditions of Certification

1. Pack type, container size, maximum stowage heights, weight(s) and towing forces:-

SOLAS Pack	Container Size/Type	Stowed Height	Stowed Weight
A	Marin Ark, GRP Container	18m	1300 kg
B	Marin Ark, GRP Container	18m	1160 kg

Towing Forces	With drogue	Without drogue
@ 2 kts	2.453 kN	2.943 kN

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 '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.

@ 3 kts	5.886 kN	6.377 kN

Configuration: The status of the atmosphere within the envelope can be verified at any time. The liferafts include means to evaluate the humidity level behind the protective barrier and to detect any leakage of inflation gas during the annual onboard inspection in accordance with MSC.1/Circ. 1328

2. The liferaft's container is to be marked with the Maker's name & trademark, serial number, approving authority, number of persons it is approved to carry, SOLAS, the type of emergency pack enclosed, date when last serviced, length of painter, maximum stowage height and launching instructions.
3. The liferaft is to be marked with the Maker's name & trademark, serial number, date of manufacture, approving authority, name & place of last servicing station, the number of persons it is approved to carry.
4. Provision shall be made for marking each liferaft with the name and port of registry of the ship to which the liferaft is supplied, in such a form that the ship identification can be changed at any time without opening the container.
5. This type of liferaft is designed to be serviced at extended intervals not exceeding 30 months which shall continue for the service life of the product as long as the hermetic seal has not been compromised.
6. The service of the liferaft is to be undertaken at a Lloyd's Register approved or Flag Administration approved Service station duly authorised and appointed by the manufacturer subject to the following conditions:
7. The hermetic seal verification shall be performance on board at intervals not exceeding 12 months from the last service or onboard inspection, in accordance with MSC.1/Circ. 1328 and the manufacturer's instructions by personnel trained certificated by the liferaft manufacturer
8. The supplied Log Card should be completed with the person's Certificate of Competence number and the container label then being indelibly updated to display the date of the next annual inspection.
9. The liferaft shall be fitted with a label containing the text "The liferaft is permitted for extended service interval of 30 months if serviced at an approved service station" and "The Liferaft must be inspected on board at intervals not exceeding 12 months by a person certified for such purpose by Survitec Group".
10. 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
11. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance System (Module D) or Product Quality Assurance System (Module E) or a Product Verification Process (Module F), as applicable. 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.
12. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
13. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.
14. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes, and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.

Place of Production

Survitec Group Ltd,
Kingsway, Dunmurry,

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 '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.

Belfast, BT17 9AF,
Northern Ireland



Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923

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 '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.