



Marine &amp; Offshore

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composed of 7 sections  
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

## EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2020/1170 of 16 July 2020

This certificate is issued to:

**Gepa-Fiberglas Sanayi Ve Ticaret AS**

Tuzla (Istanbul) - TURKEY

for the type of product

**FAST RESCUE BOATS - RIGID**

Fast Rescue Boat of GRP Construction, Type: G-FRB1-O

### Requirements:

SOLAS 74 Convention as amended, Regulations III/4, III/26 and III/34  
IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89),  
MSC.368(93), MSC.425(98) and MSC.459(101) I, V  
IMO Res. MSC.81(70) amended by MSC.200(80), MSC.226(82), MSC.274(85), MSC.295(87), MSC.321(89), MSC.323(89),  
MSC.378(93), MSC.427(98) and MSC.472(101)  
IMO MSC/Circ.980, IMO MSC/Circ.1006, IMO MSC/Circ.1016 and IMO MSC/Circ.1094

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

**This certificate will expire on: 22 Sep 2025**

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV ISTANBUL, on 22 Sep 2020,

Gurcan Yilmaz



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 II 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 Marine & Offshore. 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 Marine & Offshore 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 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 Marine & Offshore 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 :

**Fast Rescue Boat of GRP Construction, Type: G-FRB1-O**

Main Particulars	G-FRB1-O
Length Over All	6 800 mm
Breadth	2 620 mm
Height	2 790 mm

Weight of boat	G-FRB1-O
Fully loaded (with 15 persons)	3 478 kg
Light weight (fully equipped)	2 240 kg

**Fuel Tank Capacity :** 305 litres

**Maximum Capacity :** 15 persons including one person lying down on a stretcher.

### 2. DOCUMENTS AND DRAWINGS :

**Design appraisal documents:**

Reference	Date	Revision	Title
G-FRB1-O-01	2020-0-12	08	General Plan
G-FRB1-O-01-B	2020-04-25	04	Seating plan with stretcher
G-FRB1-O-01-C	2020-06-05	04	Steering system
G-FRB1-O-01-D	2012-03	01	Non-skid tapes arrangement
G-FRB1-O-01-E	2020-04-25	05	Retro-reflective tapes, buoyant lifeline & handholds arrangement
G-FRB1-O-01-F	2011	-	Bench details and dimensions
G-FRB1-O-02	2012-08	01	Longitudinal section
G-FRB1-O-03	2012-08	01	Longitudinal section & lamination plan
G-FRB1-O-04	2012-03	01	Layout
G-FRB1-O-05	2007	-	Midship section
G-FRB1-O-06	2007	-	Section of FRW Frame (Frame 7)
G-FRB1-O-07	2007	-	Section of AFT. Frame (Frame 3)
G-FRB1-O-08	2007	-	Bottom construction
G-FRB1-O-09	2007	-	Construction of the transom
G-FRB1-O-10	2007	-	Forecastle deck, gunwale deck & aft deck
G-FRB1-O-11	2011-01	01	Construction of self-righting device
G-FRB1-O-12	2007	-	Fuel tank casing & fore seat
G-FRB1-O-14-01	2020-08-12	03	Control desk arrangement
G-FRB1-O-15	2007	-	Mounting of the rubber fender
G-FRB1-O-17	2020-04-29	01	Fuel tank
G-FRB1-O-18	2012-08	01	Automatic painter release bollard
G-FRB1-O-19	2020-04-29	01	Aft bollard
G-FRB1-O-21-B	2007	-	Hook leg foundation lamination details
G-FRB1-O-22	2012-08	06	Hook leg foundation & face plate details (2 pages)
G-FRB1-O-23	2020-08-12	04	Electrical installation
G-FRB1-O-25	2020-04-25	05	Marking Arrangement Plan
G-OM1	2013-01-18	01	G-OM1 Automatic drain plug for rescue boats
2013/QA/List.03	2020-07-09	04	Fast Rescue Boat Equipment List
2013/QA/List.04	2013-01-04	03	Outfitting List

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

**3. TEST REPORTS :**

The Rigid Fast Rescue Boat was tested under witnessing of Bureau as per prototype tests report dated 2007-06-21 on serial number 200402 and additional prototype tests report dated 2010-08-04, 2011-04-28, 2011-07-14, 2012-10-09 and 2012-12-14 on serial number 200402.

The laminate material of hull and rigid cover were tested as per Fire retardancy Test reports No. 142/A and N°142/D dated 2009-12-10 and Strength Tests report No. CN53B960109A dated 1996-04-03

The Inherent and additional buoyancy materials were tested as per Test report No. F518366 dated 2005-09-26

**Maximum towing force measured with fast rescue boat serial number 200402:**

- 9319 N with Engine type: 2x90 HP Mercury Outboard

**Maximum manoeuvring speed measured with fast rescue boat serial number 200402:**

- 36 knots in calm water with 15 persons and full equipment

- 42 knots in calm water with 3 persons and full equipment

**4. APPLICATION / LIMITATION :**

- The scope of the appraisal made by Bureau Veritas to issue this certificate is strictly restricted to the relevant requirements stated on the front page of this certificate.
- Application / Limitation of use as per product description and requirements stated on front page of this certificate.
- The period of shelf life of equipment subjected to deterioration with age is to be indicated.
- On board installation & Maintenance requirements as per requirements stated on front page of this certificate.

The following component(s) shall have to comply with the requirements of MED 2014/90/EU, as amended, and be wheelmarked:

+ Propulsion Engine:

Manufacturer: Brunswick Marine in EMEA  
Type: 2 x Mercury/Mariner 90  
Power: 2x90 HP

+ Release Mechanism

Manufacturer: H. Henriksen Mek. Verksted A/S  
Type: HMK 3,5  
SWL: 3 500 kg

+ Position indicating lights

+ Thermal protective aids

+ Retro reflective materials

+ Radar reflector

+ Portable fire-extinguishing equipment

+ Compass:

Ritchie - B-81 WM

+ Searchlight

+ Hands-free and watertight VHF radiocommunication set

- Other fast rescue boat equipment as listed in LSA Code chapter 5.1.2.2 is to be to the satisfaction of the ship's flag administration for acceptance of the equipped fast rescue boat on board the concerned ship.
- Electrical components including batteries to be as per drawings listed in paragraph 2.
- Raw materials for the G.R.P Hull:

Reference	Type	Manufacturer
Gel Coat	Polijel F215	POLIYA POLYESTER YARD. MAD. SANAYII A.S., Istanbul, Turkey
Polyester Resin	ILKESTER P-1016	ILKALEM TIC. VE SAN. A.S., Istanbul, Turkey
Glass Fibre Mats	Chopped Strand Mat; MAT1(M)	CAM ELYAF SANAYII A.S., Kocaeli, Turkey
Glass Fibre Woven Roving	WR6	CAM ELYAF SANAYII A.S., Kocaeli, Turkey
Buoyancy material	CX-42-D-200/W	BaySystem Northern Europe A/S, Denmark

**5. PRODUCTION SURVEY REQUIREMENTS :**

- The raw materials are to be traceable in case of compatibility problems in repair.
- 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 F "Product Verification" of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.
- Each fast rescue boat intended to be fitted onboard a ship registered to a National register adhering to the Directive shall be delivered with a Declaration of Conformity.
- The manufacturer shall keep records of any production tests carried out in accordance with instructions given in IMO resolution MSC.81(70) Part 2 as amended.
- Each equipment, or batch of equipment, is to be supplied with its Manual(s) for installation, use and maintenance.

**6. MARKING OF PRODUCT :**

The Fast Rescue Boat shall be marked with:

- Reference is made to MED 2014/90/EU chapter 2. In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits)..
- Markings as per chapters 1.2, 4.4.1.2 and 4.4.9 of LSA Code as amended.

**7. OTHERS :**

- It is manufacturer name's responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- This certificate supersedes the previous Type Examination Certificate No. 19663/C1 EC issued on 2014-03-31 by the Society.

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