



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**

**No. FAB010920XR/001**

**This is to certify** that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	<b>Normal strength and higher strength hull steel plates</b>
<i>Type</i>	<b>A, B, D, E, AH32, AH36, DH32, DH36, EH32, EH36</b>
<i>Applicant</i>	<b>LIBERTY GALATI SA CALEA SMIRDAN, NR. 1, COD 800698 Galati (Galati) ROMANIA</b>
<i>Manufacturer</i>	<b>LIBERTY GALATI SA</b>
<i>Place of manufacture</i>	<b>CALEA SMIRDAN, NR. 1, COD 800698 Galati (Galati) ROMANIA</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>
<i>Reference documents</i>	<b>-</b>

*Issued in* **RINA Romania Marine** on **November 19, 2020**. *This Certificate is valid until* **November 19, 2025**



**RINA Services S.p.A.  
Marius Fugaru**

This certificate consists of this page and 1 enclosure



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No. FAB010920XR/001

Enclosure - Page 1 of 1

A, B, D, E, AH32, AH36, DH32, DH36, EH32, EH36

**APPROVAL CONDITIONS**

**Steel making :** BOC Basic Oxygen converter

**Casting process:** CC Continuous casting

**Deoxidation practice, condition of supply and thickness:**

Steel grades	Deoxidation practice and fine grained elements	Condition of supply and max. thickness
A - B	Si killed	AR - 60 mm
A - B - D	Fine grained Al	AR, NR, N - 35 mm NR, N - 60 mm
E	Fine grained Al	N - 60 mm
AH32 - AH36	Fine grained Al Fine grained Al + Nb	NR, N - 60 mm N - 60 mm
DH32 - DH36	Fine grained Al Fine grained Al + Nb	NR, N - 60 mm N - 60 mm
EH32 - EH36	Fine grained Al	N - 60 mm

**Survey conditions:**

The plates are to be in compliance in all respects with the relevant RINA rules and are to be tested accordingly.

**General conditions for the approval**

-The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.

-RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.



**STATEMENT OF ADMISSION TO  
ALTERNATIVE TESTING SCHEME  
No. 2020/XR/01/109**

On the basis of the examination of the documentation submitted, and following the satisfactory outcome of the inspection carried out, it is hereby stated that:


Name of the Manufacturer      **LIBERTY GALATI S.A.**

Address      **1, SMARDAN STREET, GALATI - 800698, Romania**

is admitted to the **Alternative Testing Scheme**, according to the "RINA Rules for Testing and Certification of Marine Materials and Equipment" for

Product      **Normal Strength and Higher Strength Hull Steel Plates  
Grades A-B-D-E-AH32-AH36-DH32-DH36-EH32-EH36**

at the following conditions:

- Inspections and tests during production and on finished products are to be performed in compliance with the production Quality Control Plan.
- The Manufacturer is to perform the inspections and tests required by the RINA Rules, to issue the certificate of conformity and mark the products with the stamp 

Periodical audits at Manufacturer premises, according to the schedule included in the attachment to this statement, are satisfactorily carried out by RINA.

- Steel making: Basic Oxygen converter
- Casting process: Continuous casting
- Specified through thickness properties: Z25 for all steel grades



- Deoxidation practice, condition of supply and thickness:

Steel grades	Deoxidation practice and fine grained elements	Condition of supply and max. thickness
A - B	Si killed	AR - 60 mm
A - B - D	Fine grained Al	AR, NR, N - 35 mm NR, N - 60 mm
E	Fine grained Al	N - 60 mm
AH32 - AH36	Fine grained Al Fine grained Al + Nb	NR, N - 60 mm N - 60 mm
DH32 - DH36	Fine grained Al Fine grained Al + Nb	NR, N - 60 mm N - 60 mm
EH32 - EH36	Fine grained Al	N - 60 mm

AR: as rolled

N: normalized

NR: Normalized rolled

*Issued at Galati on 19 November 2020*

*This certificate is valid until*

**19 November 2025**

*This certificate consists of this sheet plus an attachment*

Marius Fugaru

**RINA**



## ATTACHMENT TO STATEMENT No.2020/XR/01/109

### General conditions for the statement validity

1. The application is to be forwarded to RINA Galati Office using LIBERTY Launching Job form, cod F SAP 008 for any single Purchaser's Order, indicating "Firm provided with RINA Alternative Testing Scheme (statement reference number)".
2. The products are to be produced, inspected and tested in compliance with the Quality Control Plans / Inspection and Test Plans (Q.C.P. / I.T.P.). The names of the personnel appointed by the Manufacturer as responsible for any phase of the production and control process is to be clearly stated on relevant Q.C.P. / I.T.P.
3. The Manufacturer is to agree with RINA the dates of execution of inspections and tests to be witnessed by RINA Surveyor, as required by the relevant Q.C.P. / I.T.P.
4. On completion of the inspection and tests required by the relevant Q.C.P. / I.T.P., the Manufacturer is duly authorized to issue the following documents:
  - 4.1 Certificate of Conformity (Inspection Certificate, EN 10204-2004; 3.2), duly endorsed and marked on Manufacturer's field.
  - 4.2 Manufacturer's relevant inspection and test reports signed by the appointed personnel.
5. One set of the above documents are to be sent to RINA Galati Office before the delivery of the products. Upon satisfactory review of the above documentation, RINA Galati Office will send back certificates duly endorsed, stamped and the relevant invoice.
6. Upon receipt of the certificates, the Manufacturer is authorized by RINA to mark the products with the RINA stamp.
7. Products are to be delivered once provided with the RINA Stamp and the relevant "Certificate of Conformity" (Inspection Certificate) duly endorsed by RINA.
8. Any "non conformity notice" or "client / shipyard claim" is to be forwarded to RINA Galati Office with relevant "corrective actions" taken as soon as possible.
9. The validity of the present Statement is subjected to the satisfactory result of the intermediate audits and the Manufacturer premises, carried out according to the table included in this attachment. RINA reserves all the rights to perform unscheduled audits.
10. Any modification to the initial conditions (e.g. relevant to design characteristics of the product, production and control procedures, suppliers of main components) are to be promptly communicated to RINA which reserves the right to require additional assessments.
11. In any case, RINA Surveyors are to be allowed to witness during the performance of production and control activities, upon their request.
12. RINA may suspend or withdraw the admission to the Alternative Inspection Scheme in the case of modifications to requirements or conditions for initial admission.



**Intermediate scheduled and unscheduled audits**

<b>Due date</b>	<b>Carried out on</b>	<b>Surveyor's signature</b>	<b>Surveyor's stamp</b>
1. Mid. Term 19/05/2023			
2. Renewal 19/11/2025			

Issued at: Galati

On: 19 November 2020

Marius Fugaru 

**RINA**

