



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS
No. FAB030126MI/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>	Normal strength and higher strength hull steel plates
<i>Type</i>	RINA Grades: A-B-D-E-AH32-AH36-DH32-DH36-AH40-EH32-EH36-
<i>Manufacturer</i>	MAKSTIL A.D.
<i>Place of manufacture</i>	UL. 16 MAKEDONSKA BRIGADA BR. 18 Skopje NORTH MACEDONIA
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Milan Marine** on **April 23, 2026**. *This Certificate is valid until* **April 18, 2031**

**RINA Services S.p.A.
Giovanni Carratino**

This certificate consists of this page and 1 enclosure

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APPROVAL CONDITIONS
Normal Strength and Higher Strength Hull Steel Plates

Steel making process: the plates are rolled from slabs produced by Makstil by the electric furnace process.

Casting process: 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 (Z35)	Killed	As rolled - 50 mm Controlled rolled - 100 mm
D (Z35)	Killed- Al fine grained	Controlled rolled - 100 mm
E (Z25/Z35)	Si-Al Killed And fine grain treated with Al+V	Normalizing Rolled up to 50 mm
AH32- AH36 -AH40 (*) DH32-DH36-DH40 (*) (Z25/Z35)	Si-Al Killed and fine grain treated with Al+V	Normalizing Rolled (NR) up to 50 mm
EH32-EH36 (Z25/Z35)	Si-Al Killed And fine grain treated with Al+V	Normalizing Rolled up to 50 mm

(*) weldability tests satisfactorily performed with max. heat input 33 kJ/mm

Survey conditions:

The products 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

