



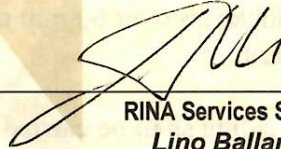
**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**

No. FAB084422VE/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>	Aluminium alloy sheets and plates
<i>Type</i>	Rolled products aluminium alloy Grade 5083 and Grade 5456
<i>Manufacturer</i>	NICHE FUSINA ROLLED PRODUCTS S.R.L.
<i>Place of manufacture</i>	VIA DELL'ELETTRONICA 31 30176 Marghera (VE) ITALY
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **RINA Venice Marine** on **May 6, 2022**. *This Certificate is valid until* **August 1, 2025**



**RINA Services S.p.A.
Lino Ballarin**

This certificate consists of this page and 1 enclosure



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Enclosure - Page 1 of 1

Rolled products aluminium alloy Grade 5083 and Grade 5456

APPROVAL CONDITIONS

- Temper condition and max thickness for Grade 5083: - O, H111 max thickness 40 mm
 - H128 max thickness 8 mm
 - H116, H321 max thickness 60 mm
- Temper condition and max thickness for Grade 5456: - H116, H321 max thickness 50 mm
- The chemical composition and the mechanical properties are to be in accordance with the RINA requirements and with recognised standard.
- The products are to be tested according to the RINA Rules and recognised standard.
- For H128 and for thickness over 50 mm mechanical properties shall be in accordance with a recognised standard.
- The assembly by welding shall be carried out by welding processes and consumables approved by RINA for the concerned grade of alloy.

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.

RINA Venice Marine May 6, 2022



A handwritten signature in black ink, appearing to be 'A. M.', is written over the RINA logo.

