



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**  
No. FAB010910XH

**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>Aluminium alloy sheets and plates</b>
<i>Type</i>	<b>Grades 5083 H111 - H116 - H321 5086 H116</b>
<i>Applicant</i>	<b>ELVAL HELLENIC ALUMINIUM INDUSTRY S.A. 57 KM NATIONAL ROAD ATHENS-LAMIA GREECE</b>
<i>Manufacturer</i>	<b>ELVAL HELLENIC ALUMINIUM INDUSTRY S.A.</b>
<i>Place of manufacture</i>	<b>57 KM NATIONAL ROAD ATHENS-LAMIA GREECE</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

Issued in **PIRAEUS** on **August 26, 2010**. This Certificate is valid until **March 31, 2015**



RINA  
**Marco Scopaz**



This certificate consists of this page and 1 enclosure



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Grades 5083 H111 - H116 - H321


5086 H116

**APPROVAL CONDITIONS**

- The chemical composition and the mechanical properties are to be in accordance with the RINA requirements
- The products are to be tested according to the RINA Rules
- The approval is valid for products up to 13 mm thickness
- 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**  
M. Scopaz

PIRAEUS August 26, 2010