



CERTIFICATE NUMBER  
ALML-T2433811

ISSUING OFFICE  
Rotterdam Materials Eng

# CERTIFICATE OF ALUMINUM MILLS FACILITY AND PROCESS APPROVAL

This is to certify that a representative of ABS did, at the request of

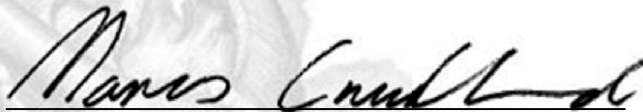
**ELVALHALCOR S.A.**

61ST KM ATHENS-LAMIA NAT. ROAD,  
OINOFYTA, Greece, 320 11

attend its facilities as indicated in the ABS City Hellenic - Piraeus Port port office survey report number 5731381 dated 25 May 2023 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

***Plate components for marine applications***

in accordance with the ABS Approval letter (Reference T2433811), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 11 March 2028 subject to adherence to relevant ABS Rules and Survey requirements.

A handwritten signature in black ink, appearing to read 'Marcus Cridland', is written over a horizontal line.

**Marcus Cridland**  
**Chief Metallurgist, ABS**

ISSUE DATE: 25 May 2023  
EXPIRY DATE: 11 March 2028

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, Guides, standards or other criteria of ABS as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a full description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of ABS who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.



**Task – T2433811**  
**Aluminium Mill Approval - Renewal**  
**Certificate No. ALML-T2433811**

Attention: Panagiotis Alevras, ELVALHALCOR S.A. (WCN: 575194)

The documents shown in the attached list are reviewed or filed for reference in accordance with the applicable requirements of the following and the facility is considered approved to manufacture products for hull application as outlined in the process/product approval.

1. ABS Rules for Materials and Welding Part 2 (2023)

Please note it is the responsibility of the facility to inform ABS of any changes to the manufacturing parameters and request renewal of approval prior to the five year expiry date.

For any clarifications, contact Nikos Vrellos at +31 6827 49049, or [nvrellos@eagle.org](mailto:nvrellos@eagle.org).

Very truly yours,

Wei-Biao (Bill) Shi  
Vice President

Electronically Signed by: Satya Meruva

Documents List

| Drawing No.                  | Rev. No. | Title                | Status                          |
|------------------------------|----------|----------------------|---------------------------------|
| ISO 9001                     | -        | QA Certificate       | Filed by ABS for Reference Only |
| ABS statistics               | -        | Material Statistics  | Reviewed                        |
| ABS_Statement                | -        | No Changes           | Reviewed                        |
| ALML Renewal - ELVALHALCOR S | -        | ABS Application Form | Filed by ABS for Reference Only |

An electronic copy of the documents appropriately stamped will be returned by FTP/e-mail.

Process/Product Approval

| Product        | Grade      | Temper                    | Maximum Thickness | Casting Practice |
|----------------|------------|---------------------------|-------------------|------------------|
| Plates / Coils | ABS - 5456 | H116 MG                   | 1.6-63.5 mm       | Ingot casting    |
| Plates / Coils | ABS - 5454 | H32                       | 3-51 mm           | Ingot casting    |
| Plates / Coils | ABS - 5086 | O, H111, H116 MG, H321 MG | 3-51 mm           | Ingot casting    |
| Plates / Coils | ABS - 5083 | H128 MG                   | 4-32 mm           | Ingot casting    |
| Plates / Coils | ABS - 5083 | O, H111                   | 3-51 mm           | Ingot casting    |
| Plates / Coils | ABS - 5456 | H321 MG                   | 1.6-51 mm         | Ingot casting    |
| Plates / Coils | ABS - 5083 | H116 MG, H321 MG          | 3-76.2 mm         | Ingot casting    |

\* Under thickness tolerance for ABS Class projects shall be in accordance with ABS Rules 2-5-7/11 Table 1.

Include: Manufacturer Approval Certificate (ALML-T2433811)