



CERTIFICATE NUMBER
ALML-T1784945-2
ISSUING OFFICE
London Ship Eng - Materials

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 3446736 dated 12 March 2018 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 T1914968), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 11 March 2023 subject to adherence to relevant ABS Rules and Survey requirements.



Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 12 March 2018
EXPIRY DATE: 11 March 2023

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 committee, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-AS/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

ABS001110



Documents List

Drawing No.	Rev. No.	Title	Status
Correspondence	-	Request Extension 5456 H116 63	Correspondence
Correspondence	-	ELVALHALCOR S.A. Request Aluminum Extension 5456 H116 63.5mm	Correspondence
SUPPORT DOCUMENTATION	-	Test Results	Reviewed
supporting documents	-	Test Results	Reviewed
Fee Agreed	-	Cost Accepted	Correspondence
Photos 5456-H116	-	micro-macro	Filed by ABS for Reference Only
Photos 5083-H128	-	micro-macro	Filed by ABS for Reference Only

Electronic copies of the documents, appropriately stamped are available through the ABS Eagle Construct Engineering Manager (O2E), Web portal.



Process/Product Approval

Product	Grade	Temper	Thickness	Casting Practice
Extension of Approval				
Plates / Coils	ABS - 5083	H128 MG	12.7-32 mm	Ingot casting
Plates / Coils	ABS - 5456	H116	51-63.5 mm	Ingot casting
Previously Approved Grades				
Plates / Coils	ABS - 5083	H321 MG	3-76.2 mm	Ingot casting
Plates / Coils	ABS - 5454	H32	3-51 mm	Ingot casting
Plates / Coils	ABS - 5456	H116, H321	1.6-51 mm	Ingot casting
Plates / Coils	ABS - 5086	O, H111, H116, H321MG	3-51 mm	Ingot casting
Plates / Coils	ABS - 5083	H128 MG	4-12.7 mm	Ingot casting
Plates / Coils	ABS - 5083	O, H111, H116, H321 MG	3-51 mm	Ingot casting

* Under thickness tolerance for ABS Class projects shall be in accordance with ABS Rules 2-5-7/Table 1 and tests are to be carried out under ABS survey.