



Work Order – WO0097226
Aluminium Mill Approval - Initial
Certificate No. ALML-0097226

Attention: HYDRO EXTRUSION BRASIL SA (WCN: 461712)

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 (2025)

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.

Refer to attachments, Process/Product Approval; Manufacturer Approval Certificate (ALML-0097226).

For any clarifications, contact Nikos Vrellos at +31 6827 49049, or nvrellos@eagle.org.

Very truly yours,

Gareth Burton
Senior Vice President of Engineering

Electronically Signed by: Satya Meruva

Documents List

Drawing No.	Rev. No.	Title	Status
Organization and Quality	01	3.1 - Initial Approval	Reviewed
Production Info	01	3.5 - Information and Data for Approval	Reviewed
Response Review WO0097226	-	Correspondence	Filed by ABS for Reference
186483 V1 - NC Product disposition	01	NCR Procedures	Reviewed
Referenced docs for ITP	01	Process Instructions	Reviewed
ITP ABS Austal	01	Test Plan	Reviewed
Test Results	-	Qualification tests	Reviewed
Additional Tests	-	Qualification Results	Reviewed

Electronic copies of the documents appropriately stamped, are available in the ABS MyFreedom™ Client Portal.

Process/Product Approval

Certificate No. ALML-0097226

Product	Grade	Temper	Maximum Thickness	Billet Source
New Approval				
Extrusions - Profiles	ABS - 5083	H111	16 mm	Ingot Casting
Extrusions - Profiles	ABS - 6061	T6	8 mm	Ingot Casting
Extrusions - Profiles	ABS - 6082	T6	7 mm	Ingot Casting
Heat Treatment Facility: In-House				



CERTIFICATE NUMBER
ALML-0097226

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
HYDRO EXTRUSION BRASIL S/A
R FELIPE CAMARAO, 454 - PORTARIA 01 - UTINGA,
SAO PAULO, SP, Brazil, 09.220-580

attend its facilities as indicated in the ABS City Sao Paulo Port port office survey report number 6855721 dated 20 February 2025 in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing

Extrusions components for marine applications

in accordance with the ABS Approval letter (Reference WO0097226), ABS Rules, designated standards and ABS approved drawings. The approval is valid till 19 February 2030 subject to adherence to relevant ABS Rules and Survey requirements.

Marcus Cridland
Chief Metallurgist, ABS

ISSUE DATE: 20 February 2025
EXPIRY DATE: 19 February 2030

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.