



Confirmation of Product Type Approval

Company Name: COAST MARINE & INDUSTRIAL SUPPLY INC.

Address: 1480 BANCROFT AVE. SAN FRANCISCO CA 94124 United States

Product: Ladder, Pilot

Model(s): Comar/Mark/I Pilot Ladder, Comar/Debarcation and Comar/Workboat

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	24-0032746-PDA	03-JUL-2024	02-JUL-2029
Manufacturing Assessment (MA)	23-5644446	29-MAR-2023	28-MAR-2028
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Marine and Offshore Applications.

Description

Ladder Features solid one-piece steps (and spreaders on Mark I Pilot Ladder model) of "Rim" injection molded polyurethane plastic with internal reinforcement, and 60mm (2 1/4") circumference polyester jacketed ultra-strong safety core rope consisting of 3/4" diameter blend of polyester and olefin fibers with blue safety-core 3 strand rope.

Ratings

Comar/Mark/I Pilot Ladder

Maximum Ladder Length: 160' at 12-1/4" Nominal Step Spacing

Comar/Debarcation Ladder (Solas)

Maximum Ladder Length: 320' at 12-1/4" Nominal Step Spacing

Comar/Workboat

Maximum Ladder Length: 250' at 12-1/4" Step Spacing

Service Restrictions

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including

inspection standards and tolerances, must be clearly defined.

Comments

- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

- This examination does only consider the pilot ladder and not the installation arrangement. Installation is to be approved on board.

- Handholds are to be fitted from the deck to head of ladder.

- Production inspections and tests are supervised by American Bureau of Shipping (ABS); yearly report of inspection and testing are conducted in accordance with 46 CFR 159.007-11 due annually in March.

- Note our review has not been performed on behalf of the U.S. Coast Guard.

Notes, Drawings and Documentation

ABS Surveyor Report No. SF2557712, dated 27 February 2014

Catalog Cutsheet Comar/Mark/I Pilot Ladder

Catalog Cutsheet Comar / Debarkation

Catalog Cutsheet Coar / Workboat Ladder

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 02/Jul/2029 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

Rules for Conditions of Classification, Part 1 - 2014, 1-1-4/7.7, 1-1-A3, 1-1-A4

International Standards

International Life-Saving Appliances (LSA) Code, 2017 Edition, Chapter VI, Section 6.1.6

2024 Convention for Safety of Life at Sea, (Consolidated Edition 2020) Chapter V Regulation 23 and Resolution A.1045 (27) (Adopted 30 November 2011), Resolution MSC.308(88), Chapter V, Regulation 23 (Adopted on 3 December 2010)

ISO 799-1:2019 (E) Ship and marine technology – Pilot ladders

ISO 5489:2024 Embarkation Ladders

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "James J. Walsh".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 11-Mar-2026 12:27

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.