



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED001226XB/002

***This is to certify** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Life-Saving appliances requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2026/1434.*

MED Item N°

MED/1.29

USCG Category N°

160.117

Description

Embarkation ladders

Type

EURO/E

Applicant

EUROSUL FORNECEDORA DE NAVIOS LTDA

Rua Jaguariaíva 596
83327-076 Pinhais (PARANÁ)

BRAZIL

Testing standards

IMO Res. MSC.81(70), as amended, ISO 5489:2024.

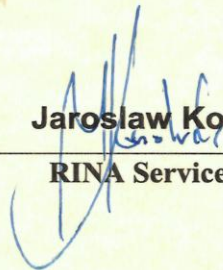
Reference standards

SOLAS 74 Reg. III/4, III/11, III/34, X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) VI, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO MSC.1/Circ.1285.

Issued in Gdańsk on
September 9, 2026

This Certificate is valid until
September 8, 2031

This Certificate consists of this sheet plus an attachment


Jaroslaw Kondracki
RINA Services S.p.A.





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CERTIFICATE No. MED001226XB/002**
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Manufacturer

EUROSUL FORNECEDORA DE NAVIOS LTDA

Place of Manufacturer

Rua Jaguariaíva 596
83327-076 Pinhais (PARANÁ)
BRAZIL

Name & place of Authorised Representative

Ron Verstegen (SuVeRo Services BV)
Kalverweidendijk 9A 7091 HP Dinxperlo
NETHERLANDS

PRODUCT DESCRIPTION

The EURO/E Series Embarkation Ladders are assembled using specially designed components, including step fasteners, manila ropes, hardwood steps, and other components. They are designed to provide a safe means for personnel to embark and disembark from vessels.

- Each step is supported by each side manila ropes, which meet the requirements of ISO 1181:2004 and has a breaking strength of at least 24 kN.

- Steps:

The four lowest steps are made of rubber material LxBxH (533x118x26) mm.

The remaining steps are made of hardwood material LxBxH (528x117x30) mm.

- Length of ladder: ≤40 m.

REFERENCE DOCUMENTS

Appr. Dwg.
PLFP-3651

Title
Embarkation Ladder

TESTS CARRIED OUT

-The embarkation ladder has been tested in compliance with ISO 5489:2024, and test report is filed by RINA.

REMARKS

- Each ladder is to be marked in compliance with ISO 5489:2024, Par 8.

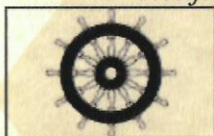
- Each replacement step is to be marked in compliance with ISO 5489:2024, Annex B/Par B.4.





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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX Notified Body number undertaking surveillance module

YYYY The year in which the mark is affixed

USCG Approval marking

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment signed February 27th, 2004 and amended by Decision No. 1/2018 dated February 18th, 2019 according to U.S. Coast Guard approval category **160.117**.

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.


Jaroslaw Kondracki

RINA Services S.p.A.

