



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED037121WS/020

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 Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2020/1170.

MED Item N°

MED/4.49

Description

Pilot ladder

Type

FZST/P

Applicant

SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.

BUILDING.41,NO.1-42, LANE 83
NORTH HONGXIANG ROAD, WANXIANG TOWN
PUDONG NEW AREA, SHANGHAI, CHINA

Testing standards

IMO Res.A.1045(27), as amended; ISO 799-1:2019.

Reference standards

SOLAS 74 Reg. VI/23, IMO Res. A.1045(27), IMO MSC/Circ.1428.

Issued in SHANGHAI on
February 3, 2021

This Certificate is valid until
February 2, 2026

This Certificate consists of this sheet plus an attachment

此复印件加盖公章有效
Stamped copy is valid

Hai Wen Zhang

RINA Services S.p.A.





ATTACHMENT TO
CERTIFICATE No. MED037121WS/020
Page 1 of 2

Manufacturer

SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.

Place of Manufacturer

BUILDING 41, NO. 1-42, LANE 83
NORTH HONGXIANG ROAD, WANXIANG TOWN
PUDONG NEW AREA, SHANGHAI, CHINA

Name & place of Authorised Representative

ANTONIO TRANI
VIA DOMENICO CIMAROSA NO. 37, NAPOLI, ITALY
ITALY

PRODUCT DESCRIPTION

- The pilot ladder is assembled with two side ropes on each side continuous from the top of the ladder to the bottom.
- Each step is supported by each side ropes.
- Steps:

The four lowest steps are rubber steps.

The remaining steps are made of hard wood.

The size of steps except spreader is 525x115x28 mm for hard wood steps and 525x115x25 mm for rubber steps (LxBxH, excluding any non-slip device), with 400 mm between the side ropes.

The size of spreader steps is 1800x115x30 mm (LxBxH, excluding any non-slip device).

- Each side rope has a breaking strength of at least 24 kN.
- Each securing rope has a breaking strength of at least 48 kN.

REFERENCE DOCUMENTS

Appr. Dwg.
SHST-39936

Title
FZST/P PILOT LADDER DRAWING

TESTS CARRIED OUT

- Pilot ladder has been tested on 14/January/2021.

REMARKS

- Each ladder is to be marked in compliance with ISO 799-1:2019, [8].
- Each replacement step is to be marked in compliance with ISO 799-1:2019, [8].

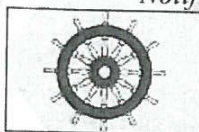


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ATTACHMENT TO
CERTIFICATE No. MED037121WS/020
Page 2 of 2

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

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 no 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.

Zhang Wen Zhang
Hai Wen Zhang





EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED558124WS/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 Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2024/1975.*

MED Item N°

MED/4.49

Description

Pilot ladder

Type

FZST/P

Applicant

SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.

Building 41, No. 1-42, Lane 83, Hongxiang North Road, Lingang New Area of China (Shanghai) Pilot Fre Shanghai (Shanghai)
CHINA

Testing standards

IMO Res.A.1045(27), as amended; ISO 799-1:2019;

Reference standards

Reg. V/23 and Reg. X/3 of SOLAS 74 Convention as amended; IMO Res.A.1045(27), IMO MSC/Circ.1428

Issued in **SHANGHAI** *on*
December 16, 2024

This Certificate is valid until
December 15, 2029

This Certificate consists of this sheet plus an attachment

Bunan Xu

RINA Services S.p.A.



**ATTACHMENT TO
CERTIFICATE No. MED558124WS/002
Page 1 of 2**

Manufacturer

SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.

Place of Manufacturer

Building 41
No. 1-42
Lane 83
Hongxiang North Road
Lingang New Area of China (Shanghai) Pilot Free Shanghai (Shanghai)
CHINA

Name & place of Authorised Representative

ANTONIO TRANI (SSI SRL)
Via Ponte dei Francesi 43-80146 Napoli
ITALY

PRODUCT DESCRIPTION

- The pilot ladder is assembled with two side ropes on each side continuous from the top of the ladder to the bottom (sisal rope meeting ISO 1181:2004).
- Each step is supported by each side rope.
- Steps:

The four lowest steps are made of rubber material. LXBXH (526x115x29, at thinnest point) mm.

The remaining steps except spreader steps are made of hardwood material. LXBXH (525x115x25 at thinnest point) mm.

The spreader steps are made of hardwood material. LXBXH (1800x115x27, at thinnest point) mm.

- Each side rope has a breaking strength of at least 24 kN.
- Length of ladder: 1.98~39.6m

REFERENCE DOCUMENTS

Appr. Dwg.
SHST-54601

Title
Pilot Ladders

TESTS CARRIED OUT

- Pilot ladder has been tested in compliance with ISO 799-1:2019, and test report is filed by RINA.

REMARKS

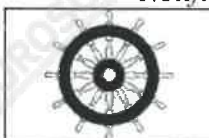
- Each ladder is to be marked in compliance with ISO 799-1: 2019, Par 8.
- Each replacement step is to be marked in compliance with ISO 799-1: 2019, Par 8.

RINA Services S.p.A.
Via Corsica, 12 - 16128 Genova
Tel +39 010 53851
Fax +39 010 5351000



**ATTACHMENT TO
CERTIFICATE No. MED558124WS/002
Page 2 of 2**

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*

General conditions for the approval

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Bunan Xu

RINA Services S.p.A.