



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED035124WS/006

***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) 2023/1667.*

MED Item N°

MED/1.29

USCG Category N°

160.117

Description

Embarkation ladders

Type

FZST/E

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. MSC.81(70), as amended; ISO 5489:2008.

Reference standards

SOLAS 74 Reg. III/11, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code), IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) VI, IMO Res. MSC.97(73)-(2000 HSC Code), IMO MSC.1/Circ.1285, IMO MSC.1/Circ.1630.

Issued in **SHANGHAI** *on*
January 22, 2024

This Certificate is valid until
January 21, 2029

This Certificate consists of this sheet plus an attachment



Hai Wen Zhang

RINA Services S.p.A.



ATTACHMENT TO
CERTIFICATE No. MED035124WS/006

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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 (SSI SRL)

Via Ponte dei Francesi 43 - 80146 Napoli, Vat 10227171211, ITALY
ITALY

Product Description

The embarkation ladder (Type: FZST/E) is assembled with two side ropes on each side continuous from the top of the ladder to the bottom (Manila rope).

- Each step is supported by each side rope.

- Steps:

The four lowest steps are made of rubber material. LXBXH (525 X 115 X 25, at thinnest point) mm.

The remaining steps are made of hard wood. LXBXH (525 X 115 X 25, at thinnest point) mm.

- Each side rope has a breaking strength of at least 24 KN.

Reference Documents

Technical Drawing, issued by Shanghai Fangzhan Fire Technology Co.,Ltd and approved by RINA with No. SHST-15163.

Tests Carried Out

Tests have been carried out in accordance with IMO Res. MSC.81(70), as amended, ISO 5489:2008 as below.

- Embarkation ladder has been tested on 15/January/2014, refer to the Test Report issued by Shanghai Fangzhan Fire Technology Co.,Ltd and filed by RINA with No. SHST-15473.

- Routing Test Report, filed by RINA with No. SHFP-25825.

Remarks

- Each ladder is to be marked in compliance with ISO 5489:2008, Par 7.

- Each replacement step is to be marked in compliance with ISO 5489:2008, Par 7.

- This certificate only considers the embarkation ladder. The arrangement shall be verified onboard by the respective Administration.

Note

Renewal of Previous EC Type Examination (Module B) Certificate No.: MED063919WS/001. As declared, the initial conditions at the time of the approval are maintained.

RINA Services S.p.A.
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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



"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 reappraised prior to it being placed on board vessels to which the amended regulations or standards apply.



Hai Wen Zhang

RINA Services S.p.A.



PRODUCTION QUALITY ASSURANCE (MODULE D)
CERTIFICATE No. MED485323WS/005

***This is to certify** that RINA Services S.p.A. did undertake the relevant quality assessment procedures for the equipment of the manufacturer 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 (EU) 2023/1667 and according to the type described in the EC Type Examination Certificate (Module B) below indicated.*

MED Item N°
USCG Category N°
Description
Type
Applicant

MED/1.29

160.117

Embarkation ladders

FZST/E

SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.

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

Module B certificate

Number

MED035124WS/006

Date

01/22/2024

Notified Body

RINA (No. 0474)

Issued in RINA China Marine
on
January 26, 2024

This Certificate is valid until
March 24, 2026

This Certificate consists of this sheet plus an attachment

This certificate authorises the Manufacturer or his authorised representative established within the Community in conjunction with the EC TYPE EXAMINATION (MODULE B) CERTIFICATE to affix the following symbol on the equipment above identified.



0474/YYYY

YYYY *The year in which the mark is affixed*

USCG Approval marking

The manufacturer is allowed to affix the US Coast Guard approval number **160.117/EC0474/MED485323WS/005** as allowed by 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



Hong Gu

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ATTACHMENT TO
CERTIFICATE No. MED485323WS/005

Equipment:

FZST/E

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 (SSI SRL)

Via Ponte dei Francesi 43 - 80146 Napoli, Vat 10227171211
ITALY

Technical documentation

INTERMEDIATE SCHEDULED AND UNSCHEDULED AUDITS			
Due Date	Carried out on	Surveyor's signature	Surveyor's stamp
03/24/2024			
03/24/2025			

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) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- d) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- e) RINA may revoke the approval in the case of modifications to requirements or conditions for the approval
- 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.
- g) This certificate loses its validity in case the EC type Examination (Module B) certificate is no more valid.

Hong Gu

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