



**EC TYPE EXAMINATION (MODULE B)**  
**CERTIFICATE Nr. MED189713WS/002**

*This is to certify, that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la navigazione ed il Trasporto Marittimo ed Interno" on 25 November 1998, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Life-Save Appliances requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Directive 2012/32/EU*

|                              |  |
|------------------------------|--|
| <i>MED Item N°</i>           | <b>A.1/1.29</b>  |
| <i>Description</i>           | <b>Embarkation ladders</b>   |
| <i>Type</i>                  | <b>FZST/E</b>  |
| <i>Applicant</i>             | <b>SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.</b><br>NO. 288 JIANZHONG ROAD, LAOGANG TOWN, PUDONG NEW AREA<br>SHANGHAI<br>CHINA |
| <i>Testing standards</i>     | <b>IMO Res. MSC 81(70); ISO 5489 (2008)</b>  |
| <i>Reference standards</i>   | <b>Reg. III/11 and Reg III/34 of SOLAS '74 Convention, as amended;</b><br><b>IMO Res. MSC/48(66) - LSA Code, as amended</b>      |
| <i>Issued at SHANGHAI on</i> | <i>This Certificate is valid until</i>   |
| <b>January 15, 2014</b>      | <b>January 14, 2019</b>  |

*This Certificate consists of this sheet plus an attachment*



**Giuseppe Zagaria**  
*RINA Services S.p.A.*



**ATTACHMENT TO  
CERTIFICATE Nr. MED189713WS/002  
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*Manufacturer*

**SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.**

*Place of Manufacturer*

NO. 288 JIANZHONG ROAD  
LAOGANG TOWN  
PUDONG NEW AREA SHANGHAI  
CHINA

**PRODUCT DESCRIPTION**

- The embarkation ladder 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 (525X115X25, at thinnest point) mm.  
The remaining steps are made of hard wood. LXBXH (525X115X25, at thinnest point) mm.
- Each side rope has a breaking strength of at least 24 kN.

**REFERENCE DOCUMENTS**

**Appr. Dwg.**  
SHST-15163

**Title**  
Rope Ladder

**TESTS CARRIED OUT**

- Embarkation ladder has been tested on 15/January/2014.

**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.

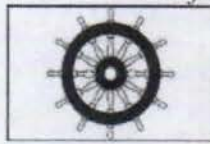




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*The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex B of the Directive is fully complied with a written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



**XXXX/YY**

**"WHEELMARK FORMAT"**

XXXX      *Notified Body number undertaking surveillance module*  
YY         *Last two digits of year mark 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.



**Giuseppe Zagaria**



**PRODUCT QUALITY ASSURANCE (MODULE D)**  
**CERTIFICATE Nr. MED216415WS/021**

*This is to certify that RINA, specified as Notified Body N° 0474 by the Italian "Ministero delle Infrastrutture e dei Trasporti Direzione Generale per la navigazione ed il Trasporto Marittimo ed Interno" on 25 November 1998, did undertake the examination of the equipment identified below with the criteria set-up in Annex B (Production Quality Assurance-Module D) to Marine Equipment Directive (MED) 96/98/EC, and subsequent amendments.*

|                      |   |
|----------------------|---|
| MED Item N°          | A.1/1.29  |
| Description          | <b>Embarkation ladders</b>  |
| Type                 | FZST/E  |
| Applicant            | <b>SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.</b><br>NO. 288 JIANZHONG ROAD<br>LAOGANG TOWN<br>PUDONG NEW AREA SHANGHAI<br>CHINA |
| Module B certificate | Number <b>MED189713WS/002</b><br>Date <b>2014/01/15</b><br>Notified Body <b>RINA (No.0474)</b>                                    |

Issued in SHANGHAI on  
July 5, 2016

This Certificate is valid until  
January 14, 2019

*This Certificate consists of this sheet plus an attachment*

*On the basis of the conditions stated in article 11 of the Marine Equipment Directive (MED) 96/98/EC, this certificate allow the Manufacturer to affix the following symbol on the equipment above identified*



**0474/YY**

YY Last two digits of year mark affixed



RINA Services S.p.A.



ATTACHMENT TO  
CERTIFICATE Nr. MED216415WS/021

Equipment:  
FZST/E

Manufacturer  
SHANGHAI FANGZHAN FIRE TECHNOLOGY CO., LTD.

Place of Manufacturer  
NO. 288 JIANZHONG ROAD  
LAOGANG TOWN  
PUDONG NEW AREA SHANGHAI  
CHINA

Technical documentation

| INTERMEDIATE SCHEDULED<br>AND UNSCHEDULED AUDITS |                |                      |                  |
|--|----------------|----------------------|------------------|
| Due Date   | Carried out on | Surveyor's signature | Surveyor's stamp |
| 2016/09/24                                       | 18/10/2016     |                      |                  |
| 2017/03/24                                       |                |                      |                  |
| 2017/09/24                                       |                |                      |                  |
| 2018/03/24                                       |                |                      |                  |
| 2018/09/24                                       |                |                      |                  |
| Unscheduled                                      |                |                      |                  |
| Unscheduled                                      |                |                      |                  |

**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.



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