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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2025/1533 of 23 July 2025

This certificate is issued to:

Jiangsu Xingshun Fire Door Industry Co., Ltd.

Qiaotou Industrial Centralized Zone, Sanshui Street, Jiangyan District, Taizhou City, TAIZHOU, CHINA

for the type of product

"A" AND "B" CLASS FIRE PROOF WINDOWS AND SIDE SCUTTLES

A-60 Class Fixed Rectangular Fire Window, type "263XS301-00"

A-60 Class Fixed Circular Side Scuttle, type "263XS302-00"

Requirements:

Row 1 of 1 of Regulation (EU) 2025/1533:

SOLAS 74 convention as amended, Regulations II-2/9
IMO Res.MSC.5(48)-(IGC Code)- as amended, 3
IMO Res. MSC.307(88)-(2010 FTP Code), as amended
IMO MSC/Circ.1120 and IMO MSC.1/Circ.1203

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 15 Nov 2030

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV SHANGHAI, on 15 Nov 2025,

Jennifer Zhang

This certificate was created electronically and is valid without signature



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

1.1 - A-60 Class Fixed Rectangular Fire Window, type "263XS301-00"

The 142 mm thick rectangular window with rounded corners (R=112 mm) is composed of:

- main frame (1585 x 2415 x 100 mm; Width x Height x Depth): steel angle with dimensions L100x80x10 mm,
- assistant frame (1585 x 2415 mm; Width x Height): steel plate with dimensions 45x10 mm,
- glazing assembly (1480 x 2310 mm; Width x Height): 28 mm thick fire glass; see details below,
- press plate (1585 x 2415 mm; Width x Height): steel plate with dimensions 80x6 mm.

The window has been tested in an A-60 class bulkhead with uninsulated side exposed to fire.

The fire glass assembly (total thickness 28 mm; manufactured by Jiangsu Xingshun Fire Door Industry Co., Ltd.) consists of:

- 6 mm thick toughened glass,
- 5 mm thick fireproof liquid,
- 6 mm thick toughened glass,
- 5 mm thick fireproof liquid,
- 6 mm thick toughened glass.

Means of fixation:

- between main frame and bulkhead: by continuous welding in the bulkhead opening,
- between main frame and assistant frame: by M5x12 mm stainless screws,
- between assistant frame and press plate: by M5x12 mm stainless screws.

Heat insulation and glass gaskets filled in between fire glass assembly and window frames:

- between main frame and assistant frame and between assistant frame and press plate: inorganic fireproof core board type "YB" (nominal density 1000 kg/m³; manufactured by Suzhou Youlian Ship Fitting Co., Ltd.),
- between fire glass edge perimeter and window frame: ceramic wool type "TG-II" (nominal density 170 kg/m³; manufactured by Yixing Ocean Ship Material Co., Ltd.),
- between fire glass and window frame: 60x5 mm rubber sealing strip (manufactured by Jiangyin Dingyan Seal Co., Ltd.).

Maximum frame dimensions:	1585 x 2415 mm (width x height)
Maximum window clear light dimensions:	1425 x 2225 mm (width x height)
Thickness of glass pane / panes and gaps:	28 mm
Thickness of window:	142 mm

1.2 - A-60 Class Fixed Circular Side Scuttle, type "263XS302-00"

The 142 mm thick circular sidescuttle (overall dimensions Ø572 mm; diameter) is composed of:

- main frame (Ø560x100 mm; Diameter x Depth): 12 mm thick and 100 mm deep steel "ring" welded in the opening of the bulkhead and 12 mm thick and 43 mm wide steel "washer" welded perpendicularly inside the "ring",
- assistant frame (Ø568 mm; Diameter): 10 mm thick and 35 mm wide steel "washer",
- glazing assembly (Ø480/520 mm; Diameter): 44 mm thick fire glass; see details below,
- press plate (Ø572 mm; Diameter): 6 mm thick and 61 mm wide steel "washer".

The side scuttle has been tested in an A-60 class bulkhead with uninsulated side exposed to fire.

The fire glass assembly (total thickness 44 mm; manufactured by Jiangsu Xingshun Fire Door Industry Co., Ltd.) consists of:

- | | |
|--------------------------------|------------------------|
| - 10 mm thick toughened glass, | ┌ (Ø520 mm; Diameter), |
| - 6 mm thick air gap, | |
| - 6 mm thick toughened glass, | └ (Ø480 mm; Diameter), |
| - 5 mm thick fireproof liquid, | |
| - 6 mm thick toughened glass, | |
| - 5 mm thick fireproof liquid, | |
| - 6 mm thick toughened glass, | |

Means of fixation:

- between main frame and bulkhead: by continuous welding in the bulkhead opening,
- between main frame and assistant frame: by M6x20 mm stainless screws,
- between assistant frame and press plate: by M6x50 mm stainless screws.

Heat insulation and glass gaskets filled in between fire glass assembly and window frames:

- between main frame and assistant frame and between assistant frame and press plate: inorganic fireproof core board type "YB" (nominal density 1000 kg/m³; manufactured by Suzhou Youlian Ship Fitting Co., Ltd.),
- between fire glass edge perimeter and window frame: ceramic wool type "TG-II" (nominal density 170 kg/m³; manufactured by Yixing Ocean Ship Material Co., Ltd.),
- between fire glass and window frame: 60x5 mm rubber sealing strip (manufactured by Jiangyin Dingyan Seal Co., Ltd.).

Maximum frame dimensions:	Ø568 mm (diameter)
Maximum window clear light dimensions:	Ø450 mm (diameter)
Thickness of glass pane / panes and gaps:	44 mm
Thickness of sidescuttle:	142 mm

2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's drawings N° 263XS301/302, N° 263XS301-NHBZ, N° 263XS301-TM, N° 263XS301-00~04, N° 263XS302-TM Rev.1.0 and N° 263XS302-00~05 all Rev.1.0 dated 26/12/2024.

3. TEST REPORTS:

Test report N° FT25006 dated 12/02/2025, as per IMO 2010 FTP Code Annex 1 Part 3, from FEFTC, China.

4. APPLICATION / LIMITATION:

- 4.1 - **Restricted application:** Only Approved for A-60 class protection against fire from the weather side, with the pressure glass exposed to fire (e.g., for use on front bulkhead of tankers).
- 4.2 - Installation on board ships carrying liquefied gases in bulk is subject to limitations given in paragraph 3.2 of IGC Code.
- 4.3 - The window has only been evaluated with regard to its fire resistance. The arrangement and location of any window in respect of strength requirements are subject to approval in each case.
- 4.4 - Windows / sidescuttles of same type with lesser dimensions in terms of height and width than tested and with the same or greater thickness of [glass pane or panes and gaps] than tested (see §1) are also covered by this certificate.
- 4.5 - The fitting aboard should be the same as described in §1.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - For information concerning the production phase modules, **Jiangsu Xingshun Fire Door Industry Co., Ltd.** has declared the following manufacturing site:

Jiangsu Xingshun Fire Door Industry Co., Ltd.
Qiaotou Industrial Centralized Zone, Sanshui Street
Jiangyan District, Taizhou City
225511 Taizhou
CHINA

5.3 - The following components shall comply with the requirements of MED 2014/90/EU, as amended, and be wheelmarked:

- the insulating materials "TG-II" (nominal density 170 kg/m³) and "YB" (nominal density 1000 kg/m³),
- the adhesive materials "MPU-20", and
- any added finish surface material(s).

6. MARKING OF PRODUCT:

Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

7. OTHERS:

7.1 - It is **Jiangsu Xingshun Fire Door Industry Co., Ltd.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - For information, doors have been tested for weathertight properties as per in-house report N° XS-2025002 dated 30/10/2024 (tests witnessed by Bureau Veritas):

Door type	Water flushing test	Water pressure test
	nozzle 12.5 mm at 1.5 m from the door with 250 kPa water pressure during 3 minutes	
263XS301-00	No visible leakage	No leakage (0.025 MPa)
263XS302-00	No visible leakage	No leakage (0.15 MPa)

*** END OF CERTIFICATE ***