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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

FIRE DOORS

A-60 Class Single-Leaf Hinged Fire Door, type "262XS201-00"

A-60 Class Single-Leaf Quick Opening and Closing Weathertight and Steel Fire Door, type "261XS102-00"

B-15 Class Single-Leaf Hinged Fire Door, type "262XS203-00"

Requirements:

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

SOLAS 74 convention as amended, Regulations II-2/9

IMO Res. MSC.307(88)-(2010 FTP Code), as amended

IMO MSC.1/Circ.1319

IMO MSC.1/Circ.1511/Rev.1

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: 06 Dec 2030

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV SHANGHAI, on 06 Dec 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 Single-Leaf Hinged Fire Door, type "262XS201-00":

The product consists of single-leaf hinged door with optional observation window, escape panel and hose port.

The 40 mm thick door leaf is composed of:

- 0.8 mm thick stainless steel sheet,
- insulating material type "**Honeycomb Composite Fireproof Board**" (nominal density 196 kg/m³; manufactured by Jiangsu Xingshun Fire Door Industry Co., Ltd.) glued to the stainless steel sheets with adhesive type "**MPU-20**" (application rate 260 g/m²; manufactured by Jingjiang City Specific Adhesive Co., Ltd.),
- 0.8 mm thick stainless steel sheet,
- Optional:
 - Observation window:
 - dimensions: 485 x 685 mm (Width x Height)
 - clear light size: 400 x 600 mm (Width x Height)
 - frame made up of two 42.5 mm wide rectangular stainless steel "washers" (= pressure plates with overall dimensions 485 x 685 mm; Width x Height) which each one is fixed by M5x16 mm screws to each side of the door leaf.
 - 32 mm thick glazing (424 x 624 mm; Width x Height): 8 mm tempered glass + 5 mm fireproof liquid + 6 mm tempered glass + 5 mm fireproof liquid + 8 mm tempered glass (provided by Jiangsu Xingshun Fire Door Industry Co., Ltd.).
 - between glazing and pressure plates, a fireproof expansion sealing strip type "FPJ-A-1 10x2" (manufactured by Jiangyin Lide Decorations Co., Ltd.) is fitted.
 - the space between glazing perimeter and window frame is filled with a fireproof expansion sealing strip type "FPJ-A-1 10x2" (manufactured by Jiangyin Lide Decorations Co., Ltd.)
 - Escape panel:
 - clear opening size: 420 x 520 mm (Width x Height)
 - same construction as the door leaf.
 - fitted with 2 hinges and a lock assembly.
 - door leaf counter frame fitted with a groove, face to the escape panel, in which is inserted a fireproof expansion sealing strip type "FPJ-A-10 13x10" (manufactured by Jiangyin Lide Decorations Co., Ltd.).
 - Hose port:
 - clear opening size: 150 x 150 mm (Width x Height)
 - same construction as the door leaf.
 - fitted with one hinge and a lock assembly.
 - door leaf vertical counter frame fitted with a groove, face to the hose port panel, in which is inserted a fireproof expansion sealing strip type "FPJ-A-3 14x16" (manufactured by Jiangyin Lide Decorations Co., Ltd.).

The door leaf is:

- internally reinforced by 0.8 mm thick U-shape counter frames along its perimeter and openings frames (for window, escape panel and hose port),
- fitted with three stainless steel hinges and a stainless steel fireproof door lock type "C1" form Nantong Hujiang Marine Technology Co., Ltd.,
- fitted with a 0.6 mm thick U-shape stainless steel edge cover fixed by rivets.

The 4-sided door frame (1248 x 2348 x 90 mm; Width x Height x Depth) is:

- composed of L-hollow profiles made up of 1.2 mm thick stainless steel sheets, and filled with "**Honeycomb Composite Fireproof Board**" (nominal density 196 kg/m³; manufactured by Jiangsu Xingshun Fire Door Industry Co., Ltd.),
- internally stiffened at hinges level with 3 mm thick stainless steel plates (36x200 mm),
- fitted along its internal perimeter (face to the door leaf when closed) with a 20x10 groove in which is inserted a fireproof expansion sealing strip type "FPJ-A-1 20x15" (manufactured by Jiangyin Lide Decorations Co., Ltd.), and
- fitted with perimeter rebates for fixation to bulkhead by bolts (or welding).

Total thickness of the door leaf :	40 mm (excluding the edge wrapping)
Maximum dimensions of door leaf:	1136 x 2234 mm (Width x Height)
Maximum clear opening size:	1100 x 2200 mm (Width x Height)

N.B.: Tested with the sill being part of the frame.

Integrity criteria satisfied for:	60 minutes
Insulation criteria satisfied for:	60 minutes

1.2 - A-60 Class Single-Leaf Quick Opening and Closing Weathertight and Steel Fire Door, type "261XS102-00":

The product consists of single-leaf hinged door with optional observation window.

From exposed side, the 88.2 mm thick door leaf is composed of:

- 1.2 mm thick stainless steel sheet with folded edges (90°),
- 8 mm thick inorganic fireproof core board type "YB" (nominal density 1000 kg/m³; manufactured by Suzhou Youlian Ship Fitting Co., Ltd.)
- air gap,
- 38 mm thick layer of insulating material type "**Honeycomb Composite Fireproof Board**" (nominal density 196 kg/m³; manufactured by Jiangsu Xingshun Fire Door Industry Co., Ltd.)
- 6 mm thick stainless steel sheet with folded edges (90°),
- Optional observation window (rectangular with rounded corners R50):
 - clear light size: 450 x 600 mm (Width x Height)
 - frame made up of two 53 mm wide rectangular stainless steel "washers" (= pressure plates) welded to each side of the leaf,
 - 34 mm thick glazing (490 x 640 mm; Width x Height), from exposed side: 12 mm tempered glass + 5 mm fireproof liquid + 6 mm tempered glass + 5 mm fireproof liquid + 6 mm tempered glass (provided by Jiangsu Xingshun Fire Door Industry Co., Ltd.).
 - between glazing and pressure plates, a 20x4 mm fireproof expansion sealing strip (manufactured by Jiangyin Lide Decorations Co., Ltd.) is fitted.
 - the space between glazing perimeter and window frame is filled with inorganic fireproof core boards type "YB".

The insulation materials are glued to the stainless steel sheets with adhesive type type "MPU-20" (application rate 260 g/m²; manufactured by Jingjiang City Specific Adhesive Co., Ltd.)

The door leaf is:

- fitted with a surrounding 8 mm thick perimeter frame perpendicularly welded at 45 mm from its edges, encapsulating the insulation and closing system between external sheets of the leaf, and creating thus a groove in which is inserted a 45x20 mm EPDM sealing strip (manufactured by Jiangyin Lide Decorations Co., Ltd.), following along all perimeter frame, by a 4x20 mm graphite tape (manufactured by Jiangyin Lide Decorations Co., Ltd.).
- internally reinforced by three 8 mm thick transverse steel stiffeners,
- fitted with three steel hinges and a 10-points locking system driven by a steel handle,
- fitted with a 0.6 mm thick U-shape stainless steel edge cover fixed by rivets.

The 4-sided door frame (1400 x 2500 x 63 mm; Width x Height x Depth) is composed of 8 mm thick stainless steel angles 100x63 mm reinforced in internal angle with a 4 mm thick stainless steel angle 22x40 mm.

The door frame is fixed to bulkhead by bolts (or welding).

Total thickness of the door leaf :	88.2 mm
Maximum dimensions of door leaf:	1271 x 2371 mm (Width x Height)
Maximum clear opening size:	1200 x 2300 mm (Width x Height)

N.B.: Tested with the sill being part of the frame.

Integrity criteria satisfied for:	60 minutes
Insulation criteria satisfied for:	60 minutes

1.3 - B-15 Class Single-Leaf Hinged Fire Door, type "262XS203-00":

The product consists of single-leaf hinged door with optional observation window and escape panel with ventilation louver.

The 38 mm thick door leaf is composed of:

- 0.8 mm thick stainless steel sheet,
- 35 mm thick layer of insulating material type "**Honeycomb Composite Fireproof Board**" (nominal density 196 kg/m³; manufactured by Jiangsu Xingshun Fire Door Industry Co., Ltd.) glued to the stainless steel sheets with adhesive type "MPU-20" (application rate 260 g/m²; manufactured by Jingjiang City Specific Adhesive Co., Ltd.),
- 0.8 mm thick stainless steel sheet,
- Optional:
 - Observation window:
 - dimensions: 485 x 685 mm (Width x Height)
 - clear light size: 400 x 600 mm (Width x Height)
 - frame made up of two 170 mm wide rectangular Z-shape stainless steel pressure profiles which each one is fixed by M5x16 mm screws to each side of the door leaf.
 - 17 mm thick glazing (424 x 624 mm; Width x Height): 6 mm tempered glass + 5 mm fireproof liquid + 6 mm tempered glass (provided by Jiangsu Xingshun Fire Door Industry Co., Ltd.).
 - between glazing and pressure plates, a fireproof expansion sealing strip type "FPJ-A-1 10x2" (manufactured by Jiangyin Lide Decorations Co., Ltd.) is fitted.
 - the space between glazing perimeter and window frame is filled with a fireproof expansion sealing strip type "FPJ-A-1 10x2" (manufactured by Jiangyin Lide Decorations Co., Ltd.).

- Escape panel with ventilation louver:

- dimensions: 460 x 560 mm with rebates on one side and 417 x 517 mm on the other side (hand shank side).
- clear opening size: 420 x 520 mm (Width x Height)
- same construction as the door leaf.
- fitted with hand shank and dowel pins for closing.
- total ventilation area: 0.025 m².

The door leaf is:

- internally reinforced by 0.8 mm thick U-shape counter frames along its perimeter,
- fitted with three stainless steel hinges and a stainless steel fireproof door lock type "C1" form Nantong Hujiang Marine Technology Co., Ltd.,
- fitted with a 0.6 mm thick U-shape stainless steel edge cover fixed by rivets.

The 4-sided door frame (1250x 2350 x 50 mm; Width x Height x Depth) is:

- composed of Z-hollow profiles made up of 1.2 mm thick stainless steel sheets, and filled with "**Honeycomb Composite Fireproof Board**" (nominal density 196 kg/m³; manufactured by Jiangsu Xingshun Fire Door Industry Co., Ltd.),
- internally stiffened at hinges level with 3 mm thick stainless steel plates (36x80 mm),
- fitted along its internal perimeter (face to the door leaf when closed) with a 13.8x6 mm groove in which is inserted a fireproof expansion sealing graphite strip type "FPJ-A-5 13x10" (manufactured by Jiangyin Lide Decorations Co., Ltd.), and
- fixed to bulkhead by screws.

Total thickness of the door leaf : 38 mm
 Maximum dimensions of door leaf: 1139 x 2239 mm (Width x Height)
 Maximum clear opening size: 2300 x 1200 mm (Width x Height)

The door has been tested in B-15 class bulkhead made of sandwich panels.

N.B.: Tested with the sill being part of the frame.

Integrity criteria satisfied for: 36 minutes
 Insulation criteria satisfied for: 15 minutes

2. DOCUMENTS AND DRAWINGS:

As per the Manufacturer's drawings:

- type "**262XS201-00**": N° 262XS201-TM, N° 262XS201-NHBZ and N° 262XS201-00~06 dated 20/02/2025.
- type "**261XS102-00**": N° 261XS102-TM, N° 261XS102-NHBZ and N° 261XS102-00~03 dated 20/02/2025.
- type "**262XS203-00**": N° 262XS203-TM, N° 262XS203-NHBZ and N° 262XS203-00~06 dated 20/02/2025.

3. TEST REPORTS:

Test reports as per IMO 2010 FTP Code Annex 1 Part 3, from FEFTC, China:

- type "**262XS201-00**": N° FT25078 dated 24/03/2025.
- type "**261XS102-00**": N° FT25079 dated 18/03/2025.
- type "**262XS203-00**": N° FT25077 dated 07/03/2025.

4. APPLICATION / LIMITATION:

4.1 - The fitting aboard should be the same as used for the test (in particular, doors are to be fitted with the fire tested frame design).

4.2 - Approval is limited to maximum door size tested.

- 4.3 - For B-15 Class Single-Leaf Hinged Fire Door, type "262XS203-00" only:
- installation on board should be limited to bulkheads, and
 - ventilation openings must have a total net area not exceeding 0.05 m².

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 "**YB**" (nominal density 1000 kg/m³) and "**Honeycomb Composite Fireproof Board**" (nominal density 196 kg/m³),
- the adhesive material "**MPU-20**", and
- any added finish surface material(s).

6. MARKING OF PRODUCT:

6.1 - 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).

6.2 - 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.1/2023 dated 26 May 2023 according to U.S. Coast Guard approval category indicated on front page of this certificate.

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.

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 gastight/weathertight properties as per in-house report N° XS-2025001 dated 21/01/2025 (tests witnessed by Bureau Veritas):

Door type	Watertightness	
	nozzle 12.5 mm at 1.5 m from the door with 200 kPa water pressure during 3 minutes	Pressure test 0.02MPa for 5 minutes
262XS201-00	No visible leakage	N/A
261XS102-00	No visible leakage	N/A
262XS203-00	No visible leakage	No leakage

*** END OF CERTIFICATE ***