EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000685
Revision no.:
1

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as “Forskrift om Skipsutstyr” by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **A and "B" class fireproof windows and side scuttles**

with type designation(s)
A-60 Window, dimension 2600 x 2300

issued to
C.C. Jensen Window A/S
Svendborg, **Denmark**

is found to comply with the Implementing Regulation **(EU) 2025/1533** for
Item no. **MED/3.25** (Row **1 of 1**)
according to the following requirements:
SOLAS 74 Reg. II-2/9, IMO Res. MSC.5(48)-(IGC Code) 3, IMO MSC/Circ.1120, SOLAS 74 Reg. II-2/9.

Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-09-23**

Expiry date: **2030-09-22**

DNV local unit:
Denmark CMC

Approval Engineer:
Karolina Kusmider

Notified Body
no.: **0575**

for **DNV AS**

Digitally Signed By:
Christine Mydlak-Röder

Christine Mydlak-Röder
Head of Notified Body

NORWEGIAN ACCREDITATION PROD 019

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees (“DNV”) arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

"A-60 Window, dimension 2600 x 2300"
composed of steel frame, incorporating a glass unit consisting of glass construction: 5 mm thick toughened glass ISO 614 (manufactured by Vetrotech Saint-Gobain) + 3 mm thick fire layer + 4 mm thick toughened glass ISO 614 + 3 mm thick fire layer + 4 mm thick toughened glass ISO 614 + 3 mm thick fire layer + 5 mm thick toughened glass ISO 614 + 10 mm air space with steel distance profile + 10 mm thick toughened glass ISO 614. Glass panes fitted in a steel frame with two vertical steel mullions welded to the frame.

Total thickness of glazing unit is 47 mm.

Steel frame is fastened to the bulkhead using M8 x 35 mm screws.

For further details, see the drawings listed under Type Examination documentation below.

Application/Limitation

The window is approved for installation in steel bulkheads of class A-60. Other applications are subject to case-by-case approval.

Fire against the Contraflam glass (from the inside).

Maximum size of window : 2653 mm x 2318 mm (W x H)
Maximum clear light size: (1100 mm + 1100 mm + 200 mm) x 2200 mm (W x H).
Maximum size of each window pane: (1135 mm + 1135 mm + 235 mm) x 2230 mm (W x H).

Strength glass against weather side to be marked according to ISO 614 (where relevant).

The window has only been evaluated with respect to fire technical properties (e.g. strength requirements have not been considered). Arrangement and location of any window is subject to approval from relevant authority in each case.

Each product is to be supplied with its manual for installation and use.

Type Examination documentation

Document No.	Rev.	Title
PGA11592	0	Test report dated 4 November 2019 from DBI, Hvidovre, Denmark.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the Mark of Conformity (see first page).