

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the 'A' and 'B' class fire proof windows and side scuttles

with type designation(s)
A-0 WINDOW 1200 x 2200

Issued to
C.C. Jensen Window A/S
Svendborg, Syddanmark, Denmark

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2019/1397**,
item No. MED/3.25. SOLAS 74 as amended, Regulation II-2/9, IMO MSC/Circ.1120 and IMO 2010 FTP Code, IGC Code 3

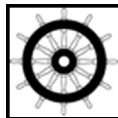
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2025-01-08**.

Issued at **Høvik** on **2020-01-09**

DNV GL local station:
Denmark CMC

Approval Engineer:
Joanna Kowalczuk



Notified Body
No.: **0575**

for **DNV GL AS**

.....
Roald Vårheim
Head of Notified Body



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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

"A-0 Window 1200 x 2200"

composed of steel frame, incorporating a glass unit consisting of glass construction: 6 mm thick toughened glass ISO 614 (manufactured by Vetrotech saint-Gobain) + 4 mm thick fire layer + 6 mm thick toughened glass ISO 614 + 8 mm air space with steel distance profile + 10 mm thick toughened pressure glass ISO 614.

Total window thickness is 34mm.

The glass pane is supported by two Monolux supporting blocks 35 x 13 x 50 mm and is sealed with silicone rubber gasket Shore 50, 33/40A around the all four edges of glass pane.

Steel frame is fastened to the bulkhead using M6 x12 mm screws at c/c 73 mm.

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-0. Other applications are subject to case-by-case approval. Bulkhead surrounding the window to be insulated to A-60.

Maximum size of exposed fire technical glazing unit: 1220 mm x 2220 mm (W x H).
Maximum clear light size: 1200 mm x 2200 mm (W x H).

Fire against 6 mm thick toughened glass (internal side).

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 authorities in each case.

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

Type Examination documentation

Test report No: PGA11006A dated 19 July 2017 from Danish Institute of Fire and Security Technology, Copenhagen, Denmark.

Drawing No. VA911700201, dated 29 May 2017 from manufacturer
Drawing No. VA911700201B, dated 29 May 2017 from manufacturer
Drawing No. VA911700201g, dated 17 March 2017 from manufacturer
Drawing No. VA911700201IS, dated 29 May 2017 from manufacturer
Drawing No. VD110470045-1, dated 29 May 2017 from manufacturer
Drawing No. VE12064147, dated 21 March 2007 from manufacturer

Tests carried out

Tested according to 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 and the MED Mark of Conformity (see first page).