EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000C15
Revision no.:
0

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, Veritasveien 1, 1363 Høvik, Norway 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)
Fixed Alu Clamp on A0 window

issued to

C.C. Jensen Window A/S
Løvholmen 13
5700 Svendborg
Denmark

is found to comply with the Implementing Regulation **(EU) 2026/1434** 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

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

Date of issue: **2026-09-29**

Expiry date: **2031-09-28**

for **DNV AS**

DNV local unit:
Denmark CMC

Approval Engineer:
Timo Linn

Notified Body no.: **0575**

Digitally Signed By:
Christine Mydlak-Röder

Christine Mydlak-Röder
Head of Notified Body

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Fixed Alu Clamp on A0 window"
A rectangular window construction consisting of multiple glass layers manufactured by by C.C. Jensen Window A/S. The glass pane consists of Polflam A60 OM53317 and is composed of the layers listed below seen from exposed side of fire (insulated side):

- 5 mm thick thermally toughened glass ISO 614
- 18 mm fire resistance gel (expanding layer)
- 5 mm thermally toughened glass ISO 614
- 15 mm air gap with 15 mm steel distance profile
- 10 mm thick toughened glass ISO 614

Total thickness of the glass pane is 53 mm.

The main frame is constructed of a single aluminum profile bent and welded.
The cut out in the bulkhead is 1262 mm x 2262 mm and has rounded corners with a radius of 126 mm.

An EDPM gasket is mounted on the profile facing towards the unexposed side of the bulkhead after installation. TEC7 Black is applied onto the gasket before installation in the bulkhead.

The glass pane is secured to the main frame using 6 pcs. of glass safety brackets 41 mm x 30 mm x 5 mm designated AISI 304, secured with torx button head screws M5 x 10 mm. Underneath the brackets is a silicone rubber gasket measuring 30 mm x 20 mm x 4 mm.

The window is mounted to the bulkhead using 28 clamps secured with torx button-head screws. Tightening the screws fixes the window in place. The clamps are spaced at 230 mm centre-to-centre.

The external dimensions of the carbon steel frame box is 1398 mm x 2398 mm (width x height).
The steel frame box is insulated with a strip of ceramic fiber designated Insulfrax LTX. The steel frame box is installed over the main frame on the exposed side and held in place by a rubber gasket.

Insulation
- Rockwool SeaRox SL 640, 130 kg/m³ manufactured by Rockwool.
- UNIFRAX Ltd Insulfrax LTX, 128 kg/m³ manufactured by UNIFRAX.

For further details, see 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.

Restricted application: Fire against 5 mm thermally toughened glass. (fire from inside)

Maximum size of window: 1362 mm x 2362 mm (W x H)
Maximum size of window (clear view): 1262 mm x 2262 mm (W x H)

The window has only been evaluated with respect to fire technical properties (e.g. strength requirements have not been considered).

Hose-stream test was carried out with satisfactory results according to 2010 FTP Code.

Arrangement and location of any window is subject to approval from relevant authorities in each case.

Type Examination documentation

Document No.	Rev.	Title
PGB10514A	0	Test report dated 05 December 2025 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).