TYPE EXAMINATION CERTIFICATE – EC MODULE B

Certificate no.:
MEDB00008VX

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 Fire Doors

with type designation(s)
NV1 A60 Fire Door

issued to
NVL B.V. & Co. KG
Bremen, **Germany**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2024/1975,**
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511, IMO MSC.1/Circ.1319

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

This Certificate is valid until **2030-08-17**.

Issued at **Høvik** on **2025-08-18**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Grzegorz Wolski

Notified Body
No.: **0575**

for **DNV AS**

Mydlak-Röder, Christine
Head of Notified Body

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 "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005, and amended by Decision No 1/2023 dated August 21st, 2023.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"NV1 A60 Fire Door"
composed of single leafed hinged door with outer and inner steel sheets made of 4.0 mm and 2.0 mm respectively. The door blade is insulated with 75 mm thick insulation of type "Fyre Wrap Marine Blanket" of density 128 kg/m3 (manufactured by Unifrax I LLC). The thicker steel sheet is fitted with internal horizontal T-Bars (for size see detailed documentation).

Total thickness of door leaf: 80 mm.

The door leaf is fixed to the door frame with multiple hinges.

The door frame may be welded or bolted (bolts of type M12x20, max. spacing 100 mm) to the bulkhead.

The connection between door leaf and frame is sealed with silicone gasket and intumescent gasket.

The door is equipped with a locking system consisting of main handle connected to several fixing points.

The door leaf may be fitted with side scuttle of type "Wigo H.K. van Wingerden A60", total thickness 54 mm, in the upper part of the door leaf.

For number of hinges, internal stiffeners and toggles see drawings and assessment.

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

Application/Limitation

The door is approved for installation in steel bulkheads of class A-60. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. width for size of door leaf: 1016 mm x 1866 mm (W x H)
Max. width for size of clear opening door: 900 mm x 1750 mm (W x H)
Max. height for size of door leaf: 916 mm x 1916 mm (W x H)
Max. height for size of clear opening door: 800 mm x 1780 mm (W x H)
Max. clear opening porthole: Ø190 mm (W x H)

The insulation materials and adhesives used must be approved according to the Marine Equipment Directive and bear the Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

Note that this is a fire safety certificate which only covers fire technical properties (i.e. not to cover strength evaluations related to watertightness, weathertightness, etc.).

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

Type Examination documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report No. DMT-DO-53-221 translation dated 12 February 2025 from DMT, Lathen, Germany.

Assessment report No. 8122373771 dated 17 February 2025 from DMT, Lathen, Germany.

Drawing No. 510011-1611-K-665-002/03 dated 27 January 2025 from the manufacturer.
Drawing No. 510011-1611-K-991-002/03 dated 27 January 2025 from the manufacturer.
Drawing No. 510011-1611-K-199-044/00 dated 06 September 2022 from the manufacturer.
Drawing No. 510011-1611-K-315-001/02 dated 24 July 2023 from the manufacturer.
Drawing No. 510011-1611-K-713-014/00 dated 13 September 2022 from the manufacturer.
Drawing No. 510011-1611-K-713-012/00 dated 12 September 2022 from the manufacturer.
Drawing No. 510011-1611-K-132-052/01 dated 27 January 2025 from the manufacturer.

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 MED Mark of Conformity and USCG Approval Number if applicable (see first page).

SCG approval limitations
The approval is limited to fire doors without windows and doors with total window area of 645 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.