

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000AMN
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 under the authority of the Government of Norway.

This is to certify:

that the **Fire doors**

with type designation(s)
A-30 Double Door

issued to

PANELFA, S.L.
Avda de Peinador, nº 74 CERDEDELO

36417 Mos-Puxeiros Pontevedra
Spain,

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/3.16 (Row 1 of 1)**
according to the following requirements:
IMO MSC.1/Circ.1511, SOLAS 74 Reg. II-2/9

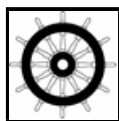
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-03-30**

Expiry date: **2031-03-29**

DNV local unit:
NB/CMC Team West

Approval Engineer:
Timo Linn



for **DNV AS**

Notified Body
no.: **0575**

Christine Mydlak-Röder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"A-30 DOUBLE DOOR"

a double leaf hinged door with each door leaf composed from 1 mm thick steel plates and an insulating core of 62 mm thick mineral wool type "Rockterm slab 150" produced by Rockwool with density of 150 kg/m³, glued together with adhesive type "Sika Force 7110".

Total thickness of each door leaf is 64 mm.

Each door leaf is fixed to a 1.5 mm thick steel T-shaped door frame with 3 hinges. Main door leaf is equipped with two locking stubs (Ø10 mm x 30 mm), lock mechanism and "Rostfrei" type handle. Fireproof gaskets of type "Frisa Intumex" are fitted between door frame and door leaves. The frame may be fully or tack welded to the bulkhead.

The door leaves may be equipped with 44 mm thick window unit of type "Pyrostop" (manufactured by Pilkington) and insulated with gaskets of type "Fireflex" (manufactured by Euroquimica). The door leaf in way of window unit is reinforced with Ø10 mm steel bars.

For details, see test report listed under Type Examination documentation below.

Application/Limitation

Approved for installation in steel bulkheads of class A-30.

Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Maximum size of door main leaf is 2031 mm x 940 mm (H x W)

Maximum size of secondary door leaf is 2031 mm x 904 mm (H x W)

Maximum size of clear door opening is 1940 mm x 1641 mm (H x W)

Maximum size of window clear opening is 453 mm x 450 mm (H x W)

The insulation materials and adhesives used have to 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.

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

Type Examination documentation

Tests carried out

Tested according to IMO FTPC Part 3 and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product

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



APPENDIX

Other

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USCG 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.