

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000753

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-60 Class single sliding door with fireproof window and hoseport

Issued to

INEXA Interiors (Nantong) Co., Ltd.
Nantong City,, Jiangsu Province,, China

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2020/1170,
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

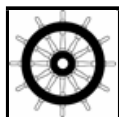
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-07-31**.

Issued at **Høvik** on **2021-08-01**

DNV local station:
Nantong

Approval Engineer:
Marcin Tobiasz



Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
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 1/2019 dated February 22nd, 2019.



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 300,000 USD.



Product description

“A-60 Class single sliding door with fireproof window and hoseport”
a door construction consisting of a single leaf hinged steel door in a steel frame.

The door leaf is composed of 0.7 mm thick steel plate, rock wool ABM-SR (manufactured by Shanghai ABM Rock Wool Co., Ltd of density 150 kg/m³, 12 mm thick fireproof board of density 750 kg/m³ (manufactured by Promat Research and Technology Centre), rock wool ABM-SR and 0.7 mm thick steel plate. Adhesive ICEMA R 145/12 (manufactured by H.B Fuller Adhesives) was used inside the door leaf fixation of the heat insulating material.

The door leaf is equipped with guide rail at upper of the door leaf and 2 cranes at the top of the door leaf, hose port on lower corner of the door leaf and C-3 type door lock.

The door frame is made from 3 mm thick steel sheets and may be bolted to the bulkhead by using M8 x 40 mm bolts max 400 mm c/c.

The door leaf may incorporate a 32 mm thick window (5 mm tempered glass + 22 mm fireproof solution +5 mm tempered glass provided by Yixing Yushi Special Glass Co., Ltd) in the upper half of the door.

Total thickness of door leaf: 48 mm.

For further details, see the test report and drawings mentioned 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. clear opening: 2400 mm x 2500 mm (w x h)
Max. size of door leaf: 2487 mm x 2523 mm (w x h)
Max. clear opening of window: 500 mm x 500 mm (w x h)
Max clear opening of hose port: 150mm x150 mm (w x h)

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.

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

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

Type Examination documentation

Test Report No. FT20336 dated 9 November 2020 from Far East Fire Testing Centre (FEFTC), Shanghai, China.
Test Report No. FT21020 dated 4 February 2021 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

Drawing No. TNF-A60SD (8 pages) dated 29 June 2020 from 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).

USCG Approval limitations

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