

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 the Kingdom of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
TNF A60 Double Door With Vision Panel and Hoseport

Issued to
INEXA Interiors (Nantong) Co., Ltd.
Nantong City JIANGSU, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511

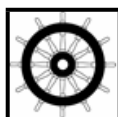
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-04-03**.

Issued at **Høvik** on **2017-04-04**

DNV GL local station:
Shanghai CMC

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body



Product description

"TNF A60 Double Door With Vision Panel and Hoseport"

double leaf hinged door with door leaf composed of a 50 mm thick and density of 150 kg/m³ insulation type "ABM-SR", manufactured by Shanghai ABM Rockwool, a 6 mm thick Fireproof Board with density 640 kg/m³ and covered with 0.56 mm thick galvanized steel sheets (bonded with adhesive). A galvanized steel profile with thickness 0.7 mm fitted along the perimeter of the door leaf (fixed with adhesive).

Total door thickness: 48 mm.

Both door leaves are fitted to the door frame by three hinges. The door frame is made from 1.5 mm thick steel profiles welded or bolted by means of M12x40 mm bolts (max. c/c 350 mm) to the bulkhead.

Gasket in size 14x21.2 mm, type 8282 (manufactured by Gallford Shanghai), is fitted between door leaf and door frame and between both leaves.

The door leaf may incorporate:

- Window in the upper half of the door, manufactured by Yi Xing Yu Shi Special Glass, thickness: 32 mm,
- Hose port in size 150 x 150 mm (W x H) made from same composition as door leaf, installed on the lower part of the door by means of one hinge.
- Fireproof Lock, type C1, in active door leaf.

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. size of active door leaf:	1061 x 2228 mm (W x H)
Max. size of passive door leaf:	1061 x 2228 mm (W x H)
Max. clear opening door:	2100 x 2200 mm (W x H)
Max. clear opening window:	500 x 500 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.

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

Type Examination documentation

Drawings No. FT20161010 rev.A (8 sheets) dated 10 October 2016 both from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

The door has been successfully tested for extended test period of 68 minutes.

Marking of product

The product or packing 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 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.



Job Id: **344.1-006795-1**
Certificate No: **MEDB00002FU**