DNV·GL

Certificate No:
MEDB000022B

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 Hinged door with vision panel

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
Manufacturers authorised representative
Inexa Holding AB
Vrena, Sweden

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

This Certificate is valid until **2022-04-23**.

Issued at **Høvik** on **2017-04-24**

DNV GL local station:
Nantong CMC

Approval Engineer:
Mårten Schei-Nilsson

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

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Product description

"TNF-A60 Type Class A-60 Fire Door"
A single leaf hinged door composed of 47 mm thick rock wool type "ABM-SR" with density 150kg/m3 covered from both sides with 0.56 mm thick steel sheets. A 6 mm thick fireproof board with density 640 kg/m3 is fitted inside the rock wool. The insulation material is fixed to the door leaf with adhesive. The rock wool is manufacturer by Shanghai ABM Rockwool Co., Ltd. and the fireproof board by Guangzhou Promat Material Co., Ltd.
Total door leaf thickness is 48 mm.

The door frame is made of 3 mm thick steel plates and fixed to the bulkhead by bolts with size M12 x 40 mm with maximum distance 350 mm between bolts. At the perimeter of the door frame the countinous groove is fitted with a fire proof gasket, 14 x 21.2 mm manufactured by Gallford (Shanghai) Co., Ltd..

The door leaf is attached to the door frame by three hinges installed at one side of the door leaf, with a "C-CK" type electronic fire proof lock installed on the other side.

The door leaf may be fitted with:
- window composed of two 5 mm thick glass panes separated by a 22 mm thick fire retarding liquid. The glass is produced by Yixing City Yushi Special Glass Co., Ltd.
- fire hose port in lower part of the door with clear opening of 150 x 150 mm.

Further details can be found in the drawing and test report listed under Type Examination documentation.

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 clear opening:	1000 x 2100 mm (W x H).
Max size of door leaf:	1032 x 2132 mm (W x H).
Max size of clear window opening:	500 x 500 mm (W x H)
Max size of fire hose port:	150 x 150 mm (W x H)

The frame may be welded or bolted to the bulkhead.

The insulation materials and adhesives and gaskets 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 and maintenance.

Type Examination documentation

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 the manufacturer, type designation, fire-technical rating, the MED Mark of Conformity and USCG approval if applicable (see page 1).

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.