

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)

Marine TNF-SB15ZF Type Class B-15 Double Fire Door (with windows)

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

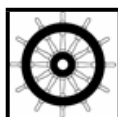
Further details of the equipment and conditions for certification are given overleaf.

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

"Marine TNF-SB15ZF Type Class B-15 Double Fire Door (with windows)"

Double leafed door made of rock wool, with type designation ABM-SR with nominal density of 150 kg/m³ (from Shanghai Advanced Building Materials Mineral Wool Factory), with 0.56 mm steel plates glued to the rock wool on each side. Total door leaf thickness is 38 mm. The doors are fitted with three hinges each.

The door may be made with an increased insulation thickness. Total door leaf thickness with increased insulation is 44 mm.

Door frame is made out of 1.5 mm steel plate with rock wool insulation filled inside. At the inner side of the door frame it is laid a fireproof gasket of type F896902 (from Shanghai Jiar Fu Decoration Material Company Ltd). The door frame is bolted to the bulkhead.

The door frame may be made with an increased insulation thickness. Total frame thickness with increased insulation is 70 mm.

The doors may be fitted with:

- a window constructed from 30 mm fireproof glass manufactured by Yushi Special Glass Co.
- an escape and ventilation opening at the bottom half of each door leaf. Max. clear opening: 420 mm x 520 mm.
- C1 type stainless steel door lock provided by Shanghai Dongsheng Lock Factory.
- a fireproof sealing gasket of type D28 provided by Shanghai Jiar Fu Decoration Material Company.
- a integrated door closer.
- h-type edge cover around the door leaf.

Application/Limitation

Approved for use as an integrated part of fire retarding divisions of class B-15.

Max. clear opening: 2000 mm x 2100 mm (W x H)
Max. size of each door leaf: 1011.5 mm x 2110 mm (W x H)
Max. clear opening (window): 400 mm x 400 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.

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

Type Examination documentation

Test report No. FT12002 dated 1 February 2012, from Far East Testing Centre, Shanghai, China.

Technology Assessment Report No. FT12 (A) 11 dated 7 January 2013 from Far East Testing Centre, Shanghai, China.

Drawing No. TNF-FT20111028 from Inexa Interiors (Nantong) Co., Ltd.

Tests carried out

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



Job Id: **344.1-003459-3**
Certificate No: **MEDB00002FJ**

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.