DNV·GL

Certificate No:
MEDB000023C

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 DOOR HNR B-30

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) 2015/559,**
Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/and IMO 2010 FTP Code

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 **2021-12-07**.

Issued at **Høvik** on **2016-12-08**

DNV GL local station:
Nantong CMC

Approval Engineer:
Tomasz Werchowicz

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Job Id:
Certificate No: **MEDB000023C**

Product description

"TNF DOOR HNR B-30"
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 plates on each side of an insulation core. The insulation core composed of two layers of 24 mm thick ABM-SR type rock wool with nominal density of 150 kg/m^3 (manufactured by Shanghai New Type Building Material Rock Wool Factory) and 3 mm air gap in the middle. ICEMA R145/12 type single component polyurethane adhesive is used for the fixation of insulation. The door leaf is fitted with a D28 type bottom seal strip, h-type edge cover around door leaf, C1 type fireproof door lock and attached to the frame with 3 hinges. The door frame profile is constructed with 1.5 mm thick steel plate with rock wool filled in the hollow and fitted with a fireproof seal strip and it is joined to the bulkhead by ST5 x 45 bolts.

The door leaf may incorporate a 34 mm thick window (provided by Qinhuangdao Xingyang Special Glass Co., Ltd) in the upper half of the door.

Total total thickness of door leaf is 54 mm.

For further details see test report and drawing mentioned under Type Examination documentation below.

Application/Limitation

Approved for use as an integrated part of fire retarding division of class B-15.
The product is successfully tested with regard to integrity and insulation for 30 minutes.

Max. size of door leaf:	1063 x 2162 mm (W x H)
Max. size of door clear opening:	1000 x 2100 mm (W x H)
Max. size of window clear opening:	400 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.

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.

USCG Approval limitations

The approval is limited to fire doors without windows and doors with total window area of 645 cm^2, or less, in each door leaf. For larger windows, USCG shall be contacted.

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 fist page).