

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. 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 HNR TYPE B-15 CLASS FIREPROOF DOOR

Issued to

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

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

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

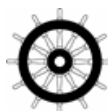
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-01-14**.

Issued at **Høvik** on **2016-04-01**

DNV GL local station:
Nantong CMC

Approval Engineer:
Synnøve Bolstad Eri



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

"MARINE HNR TYPE B-15 CLASS FIREPROOF DOOR"

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 is composed of approx. 20 mm thick ABM-SR type rock wool of density 200 kg/m³ (manufactured by Shanghai Advanced Building Materials Mineral Wool Factory) on both sides and 3 mm air gap in the middle. The door leaf has internal reinforcement longitudinally with one piece of 43 mm x 10 mm x 1 mm thick channel steel profile. MPU-201 type single component polyurethane adhesive is used for the fixation of insulation. The door leaf is equipped with a C1 type fireproof door lock and attached to the frame with 3 hinges.

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

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 expansion strip.

Total thickness of door leaf: 45 mm

For further details, see the drawings listed under Type Examination documentation below.

Application/Limitation

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

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

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

Type Examination documentation

Test report No. FT10350 dated 18 November 2010 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

Drawing No. TNF / FTD8 type HNR-B-15 (8 pages) - ref. test report dated 18 November 2010.

Tests carried out

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

Marking of product

The product is to be marked with name of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number 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.