

# 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 Norway.

## This is to certify:

### That the Fire Doors

with type designation(s)

**Marine SMK15CXT Type B-15 Class Double Leaves Fireproof Door**

Issued to

**Huanan Building Materials (Shenzhen) Co., Ltd.**  
**Shenzhen, Guangdong, China**

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

Regulation **(EU) 2018/773**,

**item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511**

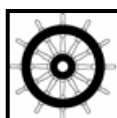
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-06-04**.

Issued at **Høvik** on **2019-06-05**

DNV GL local station:  
**China South NB**

Approval Engineer:  
**Thorvald Furuseth**



Notified Body  
No.: **0575**

for **DNV GL AS**

**Roald Vårheim**  
**Head of Notified Body**

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



## Product description

"Marine SMKB15CXT Type B-15 Class Double Leaves Fireproof Door"

consisting of a double leafed hinged doors with a doors blades composed of a 38.9 mm thick insulation material from Rockwool Firesafe Insulation with density of 120 kg/m<sup>3</sup>, bonded to 0.55 mm steel sheets on both sides.

The door frame is made of 1.2 mm thick steel plates, fitted with a "D" type sealing strips and is connected to the bulkhead by self-tapping screws.

The doors are fitted with three hinges from each side and C-1 type steel door lock (Nantong Hujiang Co., Ltd.).

The doors may also be fitted with:

- Observation Windows, 420 mm x 420 mm (Width x Height) and nominal thickness 26 mm
- Escape and ventilation grids in lower part of the doors, 420 mm x 520 mm (Width x Height)
- Fire Hoseport in lower left corner of the right side leaf, 150 mm x 150 mm (Width x Height)

Total door leaves thickness is 40 mm.

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

## Application/Limitation

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

Maximum clear opening: 2000 mm x 2100 mm (Width x Height)

Maximum size of each door leaf: 1009 mm x 2088 mm (Width x Height)

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. FT13285 dated 25 October 2013 from "FEFTC" Far East Fire Testing Centre, China.

Drawing No. Q262HN94-00SY (10 sheets) dated 8 August 2013 from manufacturer.

## 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 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 cm<sup>2</sup>, or less, in each door leaf. For larger windows, USCG shall be contacted.