

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)
SMB15A-C / B-15 Class Double Fire Door

Issued to

CSSC - Jiangxi Chao Yang Machinery Co., Ltd.
PENGZE, JIANGXI, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation (EU) 2019/1397,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511, IMO MSC.1/Circ.1319

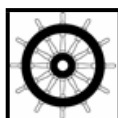
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-12-12**.

Issued at **Høvik** on **2019-12-13**

DNV GL local station:
Wuhan CMC

Approval Engineer:
Jasna Jovovic-Lainis



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"SMB15A-C / B-15 Class Double Fire Door"

composed of double leaf hinged door, one active and one passive leaf, each door leaf made of 35 mm thick rock wool type "YG-2" (manufactured by Tianchang KMD New Insulation Materials Co., Ltd.) of density 120 kg/m³, covered with 0.56 mm thick galvanized steel sheets on both sides. Each door leaf is fitted with four hinges.

Total thickness of door leaf is 38 mm.

The four-sided door frame is constructed from 1.5 mm thick steel plate, to form an L-shaped box type structure filled with rock wool insulation material. A continuous groove 16 mm x 7 mm, in which a fireproof seal strip is bedded, is arranged around the inside perimeter of the frame at the three sides. The door frame is screwed to the bulkhead by ST4.8x55 screws (c-c max. 425 mm).

The door leaf may be fitted with:

- 30 mm thick window (manufactured by Yixing Yushi Special Glass Co., Ltd.) in the upper half of the door leaf.
- Escape panel in the lower part of the door leaf with adjustable grill set.
- Fire hose port with a clear opening of 150 mm x 150 mm.

For further details see drawing listed under Type Examination documentation below.

Application/Limitation

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

Max. clear door opening:	1800 mm x 2100 mm (W x H)
Max. size of each door leaf:	910 mm x 2108 mm (W x H)
Max. clear opening of window:	400 mm x 400 mm (W x H)
Max. clear opening of escape panel:	421 mm x 525 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. FT18026 dated 14 March 2018 from Far East Fire Testing Centre, Shanghai, China.

Drawing No. 262CYC153-00 dated 8 August 2017 from the 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 and the MED Mark of Conformity.