DNV·GL

Certificate No:
MEDB000054U

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 SMA15CX Type A-15 Class Double Leaf Fire 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

NORWEGIAN ACCREDITATION PROD 019

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Product description

Marine SMA15CX Type A-15 Class Double Leaf Fire Door"
consisting of a double leafed hinged door with a door blades composed of a 38.9 mm thick insulation material from Rockwool Firesafe Insulation with density of 120 kg/m^3, bonded to 0.55 mm steel sheets on both sides.
The three-sides door frame is made of 1.2 mm thick steel plates insulated with rock wool of density 120 kg/m^3, fitted with a FPJ-B-13 x 16.5 type sealing strips and connected to the bulkhead with bolts.
The doors are fitted with three hinges from each side and C-1 type steel door locks (Nantong Hujiang Co., Ltd.).
The doors may also be fitted with:

- Observation Window, 420 mm x 420 mm (Width x Height) and nominal thickness 32 mm
- Fire Hoseport in lower left corner of the left 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

The door is approved for installation in steel bulkheads of class A-15. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Maximum clear opening: 2000 mm x 2100 mm (Width x Height)
Maximum size of door leaf: 1010 mm x 2098 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. FT13326 dated 26 November 2013 from "FEFTC" Far East Fire Testing Centre, China.

Drawing No. Q262HN93-00SY (11 sheets) dated 8 October 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 cm², or less, in each door leaf. For larger windows, USCG shall be contacted.