

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000014Y

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, 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 ZMA15CX Type Class A-15 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:

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 **2021-07-11**.

Issued at **Høvik** on **2016-07-12**

DNV GL local station:

China South CMC/ SIO

Approval Engineer:

Piotr Orzechowski

Notified Body

No.: **0575**

for **DNV GL AS**

Vidar Dolonen

Head of Notified Body

Product description

"Marine ZMA15CX Type Class A-15 Fire Door"

composed of a single leafed hinged door with a door blade made of a 40 mm thick insulation material from Rockwool Firesafe Insulation (Guangdong) Co., Ltd. with density of 120 kg/m³, bonded to 0.55 mm steel sheets on both sides.

The three-sided door frame is made of 3 mm thick steel plate, fitted inside the perimeter with 18.5 x 14 mm continuous groove filled with "8282" type seal rubber strip and "U" type seal strip installed on the groove at the bottom of door leaf.

The door frame is connected to the bulkhead with M6 x 25 mm bolts with minimum 300 mm spacing.

The doors may also be fitted with:

- Observation Window, 420 x 420 mm (Width x Height) and nominal thickness 32 mm
- Fire Hoseport in lower left corner of the door leaf, 150 x 150 (Width x Height)

Total door leaf thickness is 40 mm.

For detail information please see approved drawing listed under Type Examination 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: 1000 x 2200 mm (Width x Height)

Maximum size of door leaf: 1049 x 2224 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

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

Marking of product

The product or packing is to be marked with name of manufacturer, type designation, fire-technical rating, the MED Mark of Conformity and USCG approval number if applicable.