

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 "A" Class divisions, fire integrity

with type designation(s)
YCA15 - Class A-15 service hatch

Issued to

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

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306**,
item No. MED/3.11a. SOLAS 74 as amended, Regulation II-2/3.2 & II-2/9, IMO 2010 FTP Code, IMO MSC/Circ.1120 and IMO MSC.1/Circ.1434

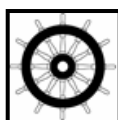
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-03-13**.

Issued at **Høvik** on **2018-03-14**

DNV GL local station:
China South NB

Approval Engineer:
Fryderyk Hoga



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"YCA15 - Class A-15 service hatch"

A single leaf sliding service hatch composed of 36.8 mm thick Fibertex Maritime R150 marine rock wool with density of 150 kg/m³ (produced by CSR (Guangdong) Rockwool Co. Ltd) glued to 0.6 mm thick galvanized steel sheets on both sides. The hatch is stiffened by one 1.2 mm thick transversal stiffener bent into U-type profile in size 20 x 20 mm and mounted on exposed side in distance 400 mm from the bottom of the leaf. The hatch leaf is sealed with two pieces of the fire tapes (provided by Shanghai Office of UK Gallford Company) in size 20 x 4 mm at the bottom on exposed and unexposed side and at the lock side.

The hatch frame is bent from 1.5 mm thick steel plate and insulated from inside with 40 mm thick Fibertex Maritime R150 marine rock wool with density of 150 kg/m³ (produced by CSR (Guangdong) Rockwool Co. Ltd). The door frame is 190 mm deep and bolted to the bulkhead by M6 screws.

The hatch is fitted with C-3 type lock.

Total thickness of hatch leaf: 40 mm

For further details, see the test report and drawing mentioned under Type Examination documentation below.

Application/Limitation

Approved for use as an integrated part of a vertical fire retarding division of class A-15. Installation of the hatch in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. size of hatch leaf:	1382 x 1010 mm (W x H)
Max. clear opening of hatch leaf:	1200 x 1000 mm (W x H)

Tested with insulation on exposed side and stiffeners on unexposed side.

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. FT07266 dated 09 November 2007 from FEFTC Far East Testing Centre, Shanghai, China.

Drawing No. Q262HN46-00SY (8 sheets) dated 14 September 2007 from manufacturer.

Tests carried out

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

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).