DNV·GL

Certificate No:
TAF0000093

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Horizontal Class A Hatches

with type designation(s)
Class A-60 fire hatch cover,

Issued to
Jiangyin Huangshan Marine Fitting Co., Ltd
Jiangyin, China

is found to comply with
DNV GL offshore standards
DNV GL rules for classification – Ships

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL

Approved for use as an integrated part of a horizontal fire retarding division of class A-60

Max. clear opening: 2500 x 1900 mm (L x W)

This Certificate is valid until **2021-05-25**.

Issued at **Høvik** on **2016-05-26**

for **DNV GL**

DNV GL local station: **Jiangyin**

Approval Engineer: **Espen Kultorp**

Petter Langnes
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-021117-1**
Certificate No: **TAF0000093**

Product description

"Class A-60 fire hatch cover"
consisting of a 16 mm outer hatch cover steel plate and 2 mm inner steel plate, insulated with 142 mm rock wool "ABM-SR" with density 150 kg/m3 manufactured by Shanghai ABM Rockwool Co., Ltd.

The hatch cover is internally stiffened with steel stiffeners.

The hatch cover plate is fixed with 2 hinges and 44 x M20 bolts to a steel coaming. The coaming is made of 90 x 35 mm base plate welded with 202 x 18 mm steel plate.

The hatch cover is flush with the deck.

A flame retardant graphite gasket (20 x 4 mm) is fitted between the hatch cover plate and coaming.

Total thickness of the hatch cover is 160 mm.

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

Application/Limitation

The hatch is approved for installation in steel decks of class A60. Installation of the hatch in steel decks made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max hatch cover plate size: 2660 x 2060 mm (L x W).

Any surface materials used have to be approved for smoke and toxicity and low flame spread characteristics (IMO 2010 FTP Code parts 2 and 5 or IMO FTPC Parts 2 and 5 when in compliance with the 2010 FTP Code Ch. 5.2 and 8) when required according to relevant rules and regulations.

Note that this is a fire safety certificate which only covers fire technical properties (i.e. not to cover any evaluations related to watertightness, weathertightness, etc.).

The construction and installation is to be in accordance the type approval documents listed below and with the manufacturer's manual for installation.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Basis for approval:

Test Report No. FT14220 from Far East Fire Testing Centre, Shanghai, China.	2014-07-22
Drawings from Huangsan Marine Fitting Co., Ltd.:	
263.16HS17-00, 263.16HS17-01	2014-02-23

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product is to be marked with name of manufacturer, type designation and fire-technical rating.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in DNVGL-CP-0338 Section 4.