

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Horizontal Class A Division**with type designation(s)
A-60 floating floor, type "FD60"

Issued to

CSSC - Jiangxi Chao Yang Machinery Co., Ltd.
PENGZE, JIANGXI, Chinais found to comply with
DNV GL offshore standards
DNV GL rules for classification – Ships
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations**Application :****Approved for use as a Class A-60 deck.****This Certificate is recognized by Transport Canada.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2018-09-25**This Certificate is valid until **2023-09-24**.DNV GL local station: **Wuhan CMC**for **DNV GL**Approval Engineer: **Timo Linn**.....
Jörg Kallies
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.



Product description

A-60 floating floor, type "FD60"

composed of 5mm structural steel deck insulated on top with floating floor panels consisting of a layer of 10mm ceramic wool and a layer of 50 mm thick composite rock wool plate covered on top by 2mm steel sheet according to drwg. no.: Q/CYC29-2000SY.

The insulation material

- TG-2 type ceramic wool of density 170 kg/m³ is manufactured by Changzhou Thermal Insulation Material Factory Co., Ltd.
- KMD-Y-01 type rock wool of density 150 kg/m³ is manufactured by Tianchang KMD New Insulation Material Co., Ltd

Total thickness of floating deck: 62 mm

For further details, see test report listed under Type Examination documentation below.

Application/Limitation

Approved for use as a horizontal fire retarding division of class A-60.

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) when required according to relevant rules.

Each product is to be supplied with its manual for installation and maintenance.

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2017.

Test report No. FT15379 dated 29th of October 2015 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

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 and address of manufacturer, type designation and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)", DNV GL confirms that the product listed in this certificate is in accordance with Transport Canada's requirements.

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 Class Programme DNVGL-CP-0338, Section 4.