DNV·GL

Certificate No:
TAF00001FK

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Horizontal Class A Division

with type designation(s)
Marine A-60-TU Type class A-60 Deck

Issued to
Dalian Mingyang Deck Covering Co., Ltd.
Dalian, China

is found to comply with
DNV GL rules for classification – Ships
Det Norske Veritas' Interpretation of SOLAS 1974 Convention as Amended
DNV GL offshore standards

Application :

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

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 **Gdynia** on **2020-11-05**
This Certificate is valid until **2022-11-04**.
DNV GL local station: **Dalian NB & CMC**

Approval Engineer: **Karolina Kusmider**

for **DNV GL**

Jowita Permoda
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

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Job Id: **262.1-022024-2**
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Product description
"Marine A-60-TU Type class A-60 Deck"
5.0 mm steel deck suitable stiffened, insulated on unexposed side with one layer 40 mm A60-TU type deck covering (density: 1000 kg/m³), acc. to figure 1 to 3, page 5 to 7 of test report**.**

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 Annex 1 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, September 2018.

Test report no FT09260 dated 9th December 2009 from Far East Fire Testing Centre, Shanghai, China.

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 or packing is to be marked with name 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/s listed in this certificate is/are 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.