

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

## This is to certify:

**That the "A" Class divisions, fire integrity**

with type designation(s)

**WJ S-I Class A-60 Floating Flooring**

Issued to

**Wuxi Jiuzhou Marine Deck Covering Co., Ltd.**  
**Yixing, China**

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2018/773**,

**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 **2024-03-14**.

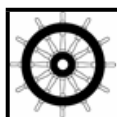
Issued at **Hamburg** on **2019-03-15**

DNV GL local station:

**Jiangyin**

Approval Engineer:

**Krzysztof Kolakowski**



Notified Body  
No.: **0098**

for **DNV GL SE**

**Gerhard Aulbert**  
**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 European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"WJ S-I Class A-60 Floating Flooring"

Composed of structural steel deck insulated on top with various layers as follows (from bottom to top):

- Layer of "WJ Z-II Marine Damping Coating" (manufactured by Wuxi Jiuzhou Marine Deck Covering Co., Ltd.), 2 mm thick with nominal density of approx. 1100 kg/m<sup>3</sup>
- Layer of "WJ C60-III Fireproof Deck Covering" (manufactured by Wuxi Jiuzhou Marine Deck Covering Co., Ltd.), 25 mm thick with nominal density of approx. 980 kg/m<sup>3</sup>
- Layer of "YG-2" rock wool (manufactured by Changzhou Thermal Insulation Material Factory Co., Ltd.), 40 mm thick with nominal density of 120 kg/m<sup>3</sup>
- 2 mm thick galvanized steel sheet
- Layer of "WJ Z-II Marine Damping Coating" (manufactured by Wuxi Jiuzhou Marine Deck Covering Co., Ltd.), 2 mm thick with nominal density of approx. 1100 kg/m<sup>3</sup>
- 1.5 mm galvanized steel sheet

Total thickness: 72.5 mm

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

## Application/Limitation

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

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. FT17186 dated 27 September 2017 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

## Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code, Annex 1, Part 3.

## 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).