EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB0000701

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

This is to certify:

That the A & B Class divisions fire integrity: A class divisions.

with type designation(s)
WJ S-IV Type A-60 Class High Level Sounding Insulation Floating Floor

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) 2020/1170,**
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, IMO MSC.1/Circ.1435.

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

This Certificate is valid until **2026-06-28**.

Issued at **Hamburg** on **2021-06-29**

DNV local station:
Jiangyin NB & CMC

Approval Engineer:
Karolina Kusmider

Notified Body
No.: **0098**

for **DNV SE**

Christine Mydlak-Roeder
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, and amended by Decision No 1/2018 dated February 18th, 2019.

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.

Product description

"WJ S-IV Type A-60 Class High Level Sounding Insulation Floating Floor"
Composed of structural steel deck insulated on top with various layers as follows (from bottom to top):

- 2 mm thick WJ Z-II Marine Damping Coating" (manufactured by Wuxi Jiuzhou Marine Deck Covering Co., Ltd.), with nominal density of approx. 1100 kg/m^3
- 10 mm thick WJ J-II (L) deck covering (manufactured by Wuxi Jiuzhou Marine DeckCovering Co., Ltd.), with nominal density of approx. 800 kg/m^3
- 40 mm thick of rock wool LZ-1 (manufactured by Yixing Kunhao Fire Proof Material Co., Ltd.), with nominal density of 120 kg/m^3
- Steel mesh
- 20 mm thick WJ J-II (L) deck covering (manufactured by Wuxi Jiuzhou Marine DeckCovering Co., Ltd.), with nominal density of approx. 800 kg/m^3

Total thickness: 72 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 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.

The construction has been tested with superimposed finish as described in part 3, Appendix 1, item 1.15 of the 2010 FTP Code. The insulation material and deck covering used must be approved as non-combustible and primary deck covering according to the Marine Equipment Directive and bear the Mark of Conformity.

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

Type Examination documentation

Test Report No. FT20093 dated 8 June 2020 from "FEFTC" Far East Fire Testing Centre, 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, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).