

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000085M

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 Surface materials and floor coverings with low flame-spread characteristics: floor coverings

with type designation(s)
Marine LVT Floor

Issued to

Darde Flooring Development (Jiangsu) Co., Ltd.
Nantong, China

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

Regulation (EU) 2022/1157,

item No. MED/3.18c. SOLAS 74, Reg. II-2/3, II-2/5, II-2/6 & X/3, IMO MSC/Circ. 1120, 2000 HSC Code 7 and IMO 2010 FTP Code

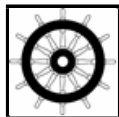
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-01-12**.

Issued at **Hamburg** on **2023-01-13**

DNV local unit:
Nantong

Approval Engineer:
Izabela Misztal



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Marine LVT Floor"

consisting of PVC, mountain flour, DOTP, stabilizer and promotor. The product is glued to the underlay by an adhesive of UZIN KE 2000 S type.

Density: 1.82 g/cm³
Maximum thickness: 2.5 mm

Application/Limitation

Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.

Approved for use as floor coverings on any low flame-spread floor covering, steel or non-combustible material.

Colour: black
Maximum organic content: 35 %

Approved for all colour variations.

Several layers of floor coverings are acceptable provided that each layer is approved according to the Marine Equipment Directive and bear the mark of Conformity.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

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

Type Examination documentation

Test Report No. FT22153 dated 9 September 2022 from Far East Fire Testing Centre, Shanghai, China.

Test Report No. FT22154 dated 9 September 2022 from Far East Fire Testing Centre, Shanghai, China.

Tests carried out

Tested in accordance with IMO 2010 FTP Part 5 and Part 2.

Marking of product

The products are to be marked with name and address of manufacturer, type designation, the MED Mark of Conformity and USCG approval if applicable (see first page).