EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007X4

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 Primary deck coverings

with type designation(s)
ARDEX Marine Anti-Skid Floor

Issued to
ARDEX New Materials & Technology (Zhejiang) Co., Ltd.
Zhejiang Province, **China**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2021/1158,**
item No. MED/3.1. SOLAS 74 as amended, Regulation II-2/4, II-2/6 & X/3, 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 **2027-03-06**.

Issued at **Hamburg** on **2022-03-07**

DNV local station:
Shanghai

Approval Engineer:
Roland Priebe

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The **ARDEX Marine Anti-Skid Floor** is a three-layer primary deck covering consisting of ARDEX R7PP Polyurethane Primer, ARDEX R120PP Polyurethane Body Coat with aggregate (10-40 mesh) broadcasting and ARDEX R114PP Water Based Polyurethane Sealer. Each of the three products consists of two compounds and have to be mixed before application.

Layer	Component	Thickness	Nominal density	Organic content
Bottom layer	ARDEX R7PP Polyurethane Primer	0.1 mm	1.2 kg/L	95%
Middle layer	ARDEX R120PP Polyurethane Body Coat with aggregate (10-40 mesh) broadcasting	2.8 mm	1.3 kg/L	68%
Top layer	ARDEX R114PP Water Based Polyurethane Sealer	0.1 mm	1. 2 kg/L	65%

The product is tested in black colour and on 3 mm steel.

For further details refer to the documentation listed below under “Type Examination documentation”.

Application/Limitation

Primary deck covering, not generating excessive quantities of smoke nor toxic products in fire.

The product may be applied over any steel or non-combustible material.

Approved for all colour variations.

Not to be used as an integrated part of a horizontal class A division, unless tested as such.

The product may also be used as floor covering in accordance with IMO 2010 FTP Code Part 5, appendix 4, paragraph 4.9.2.

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

Type Examination documentation

Test report No. AJFS2112010980FF dated 2022-01-19 from SGS, Anji, Zhejiang, China, witnessed by DNV.
Test report No. AJFS2201000453FF dated 2022-02-10 from SGS, Anji, Zhejiang, China, witnessed by DNV.

Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code Annex 1, Part 5 and Part 2.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG approval if applicable (see page 1).