DNV·GL

Certificate No:
MEDB0000631

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 Primary deck coverings

with type designation(s)
ARDEX marine Light-dB floor system

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) 2019/1397,**
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 **2025-06-30**.
Issued at **Hamburg** on **2020-07-01**

DNV GL local station:
Shanghai

Approval Engineer:
Karolina Kusmider

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

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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Product description

"ARDEX marine Light-dB floor system"
Primary deck covering for Steel Decks composed of 1-2mm type damping water-based compound Pyrotek Decidamp SP150 (manufactured by Pyrotek Dongguan Limited) applied on substrate，with a layer at max. thickness 30mm cement-based lightweight self-levelling materials on top (Ardex K200).

Max. thickness: 32 mm

Density of Decidamp SP150: 1600 kg/m^3
Density of Ardex K200: 1750 kg/m^3

Approved colour for Decidamp SP150: Grey and brighter colour
Aprpoved colour for Ardex K200: White

Max. organic content of Decidamp SP150: 20 wt% per dry film thickness
Max. organic content of Ardex K200: 3.75 %

For further details see Type Examination documentation below.

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.

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

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

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

Type Examination documentation

Test report No. FT20009 dated 15 January 2020 from Far East Fire Testing Centre, Shanghai, China

Tests carried out

Tested according to IMO Res. MSC.307(88) – 2010 FTP Code, Annex 1, Part 5 and Annex 2 item 2.2.

Marking of product

The product or packing 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).