



Notified Body authorised by
BSH 0800-S23/4822:013

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Certificate No: LR23125130MB
Issue Date: 23/03/2023
Expiry Date: 22/03/2026

EC Type Examination (Module B) Certificate

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a “notified body” based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	Ulike Honeycomb Technology Co., Ltd.
Address	B7-NO.5 Lequn Avenue, Leping Town, Sanshui District, Foshan City, Guangdong Province, People's Republic of China
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2022/1157
Regulation Item (No. & Item Designation)	MED/3.18a Surface Materials And Floor Coverings With Low Flame-Spread Characteristics: Decorative Veneers
Product Type	Material Having Low Flame Spread Characteristics & Not Capable Of Producing Excessive Quantities Of Smoke & Toxic Products Of Combustion
Product Description	Fire-Resisting Material – Aluminum Honeycomb Panel type: “HR-HP01”
Specified Standard	IMO Res. MSC.307(88) - (2010 FTP Code) Annex 1, Part 5 and Annex 2
Trade Name	“HR-HP01” Aluminum Honeycomb Panel

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

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-control phase module (D,E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Lloyd's Register Marine Deutschland
GmbH, Überseeallee 10, D-20457
Hamburg, Germany.
A member of the Lloyd's Register group

Bruce McDonald

Technical Authority - Statutory
For and on behalf of Lloyd's Register Marine
Deutschland GmbH (2923)

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR23125130MB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

Approval Documentation

Test Reports

SGS – Shunde Branch, Building 1, European Industrial Park, 1 Shunhe South Road, Wusha, Dahiang, Guangdong Province, China;
Fire Test Report No: SDFS2210006341FF-02, dated 30 November 2022.

Conditions of Certification

1. Consisting of: aluminium honeycomb core with cell size of 4-6mm, bonded to 0.3-1.2mm thick aluminium facing sheets, using epoxy adhesive type: “HS568”, comprising two components (A&B) mixed at ratio 2:1, applied at rate 0.5kg/m², manufactured by Jiang Men Shi Dingshi Chemical Industry Co., Ltd.
2. Smoke and toxicity criteria is satisfied by meeting the total heat release (Qt) and peak heat release rate (Qp) as stated in IMO Fire Test Procedures Code, Annex 2, section 2.2.
3. Composition of individual components, including any adhesives and flame retardants, to be maintained in production in accordance with originally tested composition formula.
4. The Certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products are fully compliant with the relevant statutory regulations as applicable and are designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.
5. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
6. Each item, batch or lot of the equipment is to be issued with a “Declaration of Conformity” and have the “Mark of Conformity” affixed after a conformity assessment module is in place.
7. The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.

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Place of Production

Ulike Honeycomb Technology Co., Ltd

B7-NO.5 Lequn Avenue,
Leping Town,
Sanshui District,
Foshan City,
Guangdong Province,
China

Bruce McDonald
Technical Authority-Statutory
Lloyd's Register Americas
For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923

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