

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	DI Dekodur International GmbH & Co. KG
Address	Langenthalerstraße 5, 69434 Hirschhorn, Neckar, Germany
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2021/1158
Regulation Item (No. & Item Designation)	MED/3.13 Non-Combustible Materials
Product Type	NON-COMBUSTIBLE MATERIAL
Product Description	Non-combustible Material
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 1
Trade Name	“deko FireSafe Alu-Lightweight Board Interior A1”

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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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

Jessica Evans

Senior Surveyor
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. LR22228543MB

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

Testing Laboratory of Physical Properties of Materials, Structures and Buildings – Prague, Pražská 810/16, Hostivař, 102 21 Prague, Czechoslovakia; Fire Test Report No. 21/P112-1 dated 7th April 2021.

Conditions of Certification

1. Aluminium composite board consisting from fire exposed side of: top of layer aluminium (500 micron thick, density 2.7 g/cm³) followed by base layer of 'Verotec Board' of Expanded glass (expanded recycled glass granules) manufactured by DI Dekodur (15 mm thick, density 630kg/m³) followed by backing layer of aluminium (500 micron thick, density 2.7 g/cm³). Bonded with adhesive type "GLUKON®prime sea" pressure sensitive and contact adhesive manufactured by BÖKER Sprühklebersysteme GmbH, Germany.
2. Total thickness 16 mm, density 700 kg/m³.
3. Composition of individual layers to be maintained in production in accordance with originally tested composition formula.
4. 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.
5. 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.
6. 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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Lloyd's Register Marine Deutschland GmbH, Überseeallee 10, D-20457 Hamburg, Deutschland

Place of Production

DI Dekodur International GmbH & Co. KG
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Senior Specialist
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UK&I Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923

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