



BUNDESAMT FÜR
SCHIFFFAHRT
UND
HYDROGRAPHIE

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

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Certificate No: LR2435539MB
Issue Date: 28/03/2024
Expiry Date: 27/03/2029

EC Type Examination (Module B) Certificate

USCG-EU MRA

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	Grama Blend GmbH
Address	Industriestrasse 44-46, 92237 Sulzbach-Rosenberg , Germany
Reference Regulation Item (No. & Item Designation)	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2023/1667 MED/3.18a Surface Materials And Floor Coverings With Low Flame-Spread Characteristics: Decorative Veneers MED/3.18c Surface Materials And Floor Coverings With Low Flame-Spread Characteristics: Floor Coverings
Product Type	MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE SMOKE & TOXIC PRODUCTS OF COMBUSTION
Product Description	Fire-Resisting Composite panels made from various aluminium beams with a layer of natural stone bonded on top
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 5 and Annex 2. Type Approval Requirements SOLAS 74 Reg. II-2/3, 2/5, 2/6, SOLAS 74 Reg. X/3. Carriage and Performance Requirements SOLAS 74 Reg. II-2/3, 2/5, 2/6, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7, IMO MSC/Circ.1120.
Row of the Regulation item	Row 1 of 1
Trade Name	Blendstone

Lloyd's Register Marine Deutschland GmbH, Willy-Brandt-Straße 59-65, 20457 Hamburg, Germany.
A member of the Lloyd's Register group

Marta Walk

Fire & Safety - Senior Specialist
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed on 27 February 2004 and amended by Decision No.1/2023 26 May 2023 according to U.S. Coast Guard approval category number: **164.112/164.117**

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).

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, Willy-Brandt-Straße 59-65, 20457
Hamburg, Germany.
A member of the Lloyd's Register group

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR2435539MB

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

DMT GmbH & Co. KG Prüflaboratorium für Brandschutz Tremoniastraße 13 44137 Dortmund Deutschland / GERMANY. Fire Test Report No. 8120594724-30-R3 Dated- 23.10.2023.

Conditions of Certification

1. The product consists of 4mm thickness natural stone, bonded to the Substrates of Alucobond A2 (4 mm thick) and Etalbond A2 (4mm thick) together with the core materials Alucore 6 mm, Alucore 15 mm, Luxboard 6 mm, and Luxboard 15mm with 0.1 mm thick adhesive (volume ratio of 100 Parts of Araldit AW 1371 H and 50 Parts of Hardener HV 957) manufactured by Huntsman Advanced materials (Switzerland) GmbH.
2. Smoke and toxicity criteria are satisfied by meeting the total heat release (Qt) and peak heat release rate (Qp) as stated in IMO Res.MSC.307(88) -(2010 FTP Code), Annex 1, Part 5 & Annex 2, Section 2.2.
3. 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.
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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Place of Production

GRAMA BLEND GmbH,
Industriestrasse 44-46
92237 Sulzbach-Rosenberg
Germany

M. Walk

Marta Walk
Senior Specialist, Fire & Safety
Statutory Discipline Team, Marine & Offshore
Lloyd's Register EMEA

For and on behalf of Lloyd's Register Marine Deutschland
LRMD EC Distinguishing No. 2923

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