



Approved Body authorised by the MCA

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Certificate No: LR2435673UKMB
Issue Date: 28/03/2024
Expiry Date: 27/03/2029

UK TYPE-EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

Lloyd's Register Marine Limited (LRM Ltd) 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 the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, subject to any conditions in the schedule attached hereto.

Manufacturer	Grama Blend GmbH
Address	Industriestrasse 44-46, 92237 Sulzbach-Rosenberg, Germany
Reference	MSN1874 Amendment 8
Regulation Item (No. & Item Designation)	UK/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 QUANTITIES OF 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.
Trade Name	Blendstone
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 5 and Annex 2

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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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 is issued under the authority of the MCA. 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 approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

The "UK 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 Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an Approved Body.

Lloyd's Register Marine Limited (Reg. no. 13281335) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A member of Lloyd's Register group.

Marta Walk

Fire & Safety - Senior Specialist
For and on behalf of Lloyd's Register Marine Ltd. (8512)

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ATTACHMENT TO UK TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR2435673UKMB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and the Merchant Shipping (Marine Equipment) Regulations 2016, as amended for the UK Type Examination of marine equipment for use on UK ships

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

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. Composition, application and installation of subcomponents, including adhesives, glass, seals and any fire retardants, to be maintained in production and use in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions.
4. Each item, batch or lot of the equipment is to have the "UK Conformity Mark" affixed and be issued with a "UK Declaration of Conformity" affixed after a conformity assessment module is in place.
5. Production items of 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), as applicable. The UK Conformity Mark cannot be affixed to the product until a conformity assessment module is in place.
6. 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.
7. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained.
8. The manufacturer must keep a copy of the UK type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for a period of at least 10 years after the UK Conformity 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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PLACES 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

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