Maritime & Coastguard Agency

Approved Body authorised by the MCA

Certificate No: LR23197739UKMB-03
Issue Date: 15/10/2025
Expiry Date: 04/05/2028

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	**The Amtico Company Limited**
Address	Kingfield Road, Coventry, CV6 5AA, United Kingdom
Reference	MSN1874 Amendment 10
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 SMOKE & TOXIC PRODUCTS OF COMBUSTION
Product Description	Floor Covering Material – Type: “Amtico Marine (08-18)” (2mm thick and 2.85kg/m^2 mass per unit area), PVC based multi-layer heterogeneous floor covering tile
Trade Name	“Amtico Marine (08-18)”
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code), Annex 1, Part 2 and Part 5

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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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

Chandrashekhar Aher

Team Lead - Fire and Safety
For and on behalf of Lloyd’s Register Marine Ltd. (8512)

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.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

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.

This Certificate Supersedes and is an Amendment of Certificate Number LR23197739UKMB-08.

APPROVAL DOCUMENTATION

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, WA1 2DS, United Kingdom (UK), Fire Test Reports No. ICL/H18/9406 Rev 1 and No. ICL/H18/9694 Rev 1 both dated 30th August 2018, No. ICL/H19/10513 Rev 1 and No. ICL/H19/10514 Rev 1 both dated 5th March 2019, No. ICL/H19/11020 dated 25th June 2019 and No. ICL/H19/11418 dated 2nd September 2019.

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, WA1 2DS, United Kingdom (UK), Fire Test Reports No. ICL/H19/11855 and No. ICL/H19/11857 both dated 27th January 2020 and No. ICL/H20/12165 Rev 1 and No. ICL/H20/12166 Rev 1 both dated 18th September 2020.

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, WA1 2DS, United Kingdom (UK), Fire Test Reports No. ICL/H20/13039 and No. ICL/H20/13060 both dated 23rd November 2020.

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, WA1 2DS, United Kingdom (UK), Fire Test Reports No. ICL/H20/13292 Rev 1 and No. ICL/H20/13293 Rev 1 both dated 22nd November 2021.

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, WA1 2DS, United Kingdom (UK), Fire Test Reports No. ICL/H23/15746 dated 12th May 2023, No. ICL/H23/15750 dated 17th May 2023 and No. ICL/H23/15753 dated 24th May 2023.

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, WA1 2DS, United Kingdom (UK), Fire Test Report No. ICL/H25/17479

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, WA1 2DS, United Kingdom (UK), Fire Test Report No. ICL/H23/15750 dated 17th May 2023, No. ICL/H25/17855 dated 12th September 2025 and No. ICL/H25/17856 dated 12th September 2025.

CONDITIONS OF CERTIFICATION

1. When applied to a non-combustible substrate or on a metallic substrate.
2. PVC based floor covering 'Amtico Marine (08-18)' consisting of: urethane acrylate surface coating applied at rate 12g/m^2, followed by one layer of 'Clear Wear Layer (1)' plasticised PVC film, thickness 150µm, manufactured by The Amtico Co. Ltd., followed by one layer of 'Clear Wear Layer (2)' plasticised PVC film, thickness 370µm, manufactured by The Amtico Co. Ltd., followed by one layer of print design film, thickness 75µm, followed by one layer of filled core 'Marine Core' filled plasticised PVC thickness 760µm, manufactured by The Amtico Co. Ltd., followed by one layer of filled backing 'Marine Blueback' filled plasticised PVC thickness 500µm, manufactured by The Amtico Co. Ltd.
3. Alternative heat stabiliser permitted as tested in Fire Test Reports No. No. ICL/H19/11020 and ICL/H19/11418. Limited to maximum as tested formula change.
4. Alternative additive permitted as tested in Fire Test Reports No. ICL/H20/13039 and ICL/H20/13060. Limited to maximum as tested formula change.
5. Alternative additive of 5% metallic coated mica (inert filler) in the wear layer permitted as tested in fire test report no. ICL/H25/17479.
6. Alternative antimicrobial additive permitted as tested in Fire Test Reports No. ICL/H23/15746 dated 12th May 2023, No. ICL/H23/15750 dated 17th May 2023 and No. ICL/H23/15753 dated 24th May 2023.
7. Alternative PVC resins permitted as tested in Fire Test Reports No. ICL/H23/15746 dated 12th May 2023 and No. ICL/H23/15750 dated 17th May 2023, No. ICL/H25/17855 dated 12th September 2025 and No. ICL/H25/17856 dated 12th September 2025.

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8. Alternative plasticisers permitted as tested in Fire Test Reports No. ICL/H20/13292, No. ICL/H20/13293 and No. ICL/H23/15753 as well as equivalent plasticisers list held in LR's confidential technical files.

9. Bonded to a non-combustible substrate with adhesive 'Amtico SF' at rate up to $3m^2/kg$ or adhesive 'Amtico HTE' at rate up to $2.5m^2/kg$.

10. Bonded to a metallic substrate with adhesive 'Amtico Universal 2-Part Adhesive' at rate up to $2.5m^2/kg$ or adhesive 'Mapei MS 4 LVT' at rate up to $2.5m^2/kg$.

11. Total thickness and weight of flooring after manufacturing process complete: 2.0mm, weight $2.85kg/m^2$.

12. Any adhesive used, other than the ones used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5 and to be approved according to the relevant statutory regulations.

13. Composition and application of individual floor covering components including any fire retardants, heat stabilisers and adhesives to be maintained in production in accordance with tested composition formula. Their method of application/installation onboard must be in full compliance with manufacturer's instructions, to ensure the final product assembly is of the same specification and capable of providing at least the same fire performance as the tested and approved prototype.

14. 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.

15. 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.

16. 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.

17. 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.

18. 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.

NOTE

Fire retardants are used as part of the filled core layer and filled backing layer.

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Reference: GTSO/FIRE/TA/CA/TSO/25-045676/PRJ111005051626

PLACE OF PRODUCTION

The Amtico Company Limited.
Kingfield Road
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United Kingdom (UK)



Chandrashekhar Aher
Team Lead - Fire & Safety
Global Technical Support Office, Maritime Operations
Lloyd's Register Marine and Offshore India LLP

For and on behalf of Lloyd's Register Marine Ltd.
(LRM Ltd) - UK Approved Body 8512

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