

EC Type Examination (Module B) Certificate

USCG-EU MRA

This is to certify that:

LLOYD'S REGISTER VERIFICATION B.V. (LRV B.V.), designated as a "notified body" under the Ministry of Infrastructure and the Environment - Netherlands Shipping Inspectorate (ILT Scheepvaart) notification, 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, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer	The Amtico Company Limited
Address	Kingfield Road, Coventry, CV6 5AA, United Kingdom
Reference	Regulation (EU) 2021/1158
Regulation Item (No. & Item Designation)	MED/3.18c Surface Materials And Floor Coverings With Low Flame-Spread Characteristics: Floor Coverings
Product Type	MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS AND 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
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 2 and Part 5
Trade Name	"Amtico Marine (08-18)"

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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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 LRV B.V. 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.1/2018 dated 18 February 2019 according to U.S. Coast Guard approval category USCG Module B number:

164.117/EC2814

Lloyd's Register Verification B.V. (Reg. no. 24247947) a private limited company registered in the Netherlands with registered office at K.P. Van Der Mandelelaan 41 A, 3062MB, Rotterdam. A member of the Lloyd's Register group.

Ratheesh Rajagopal

Fire & Safety Specialist
For and on behalf of Lloyd's Register
Verification B.V. (2814)

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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).

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 of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by the Notified Body.

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 the Directive is fully complied with.

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR21162423MB-05

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 forms part of the Certificate.

This Certificate is an Amendment of Certificate No LR21162423MB

EXAMINED 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/H20/12166 Rev 1 and No. ICL/H20/12165 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 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 ICL/H20/13293 Rev 1 both dated 22nd November 2021.

CONDITIONS OF CERTIFICATION

1. When applied to a non-combustible substrate
2. PVC based floor covering 'Amtico Marine (08-18)' consisting of: urethane acrylate surface coating applied at rate 12-g/m², 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 'SW2550' 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 additive permitted as tested in Fire Test Reports No. ICL/H20/13039 and ICL/H20/13060. Limited to maximum as tested formula change
4. Alternative plasticiser permitted as tested in Fire Test Reports No. ICL/H20/13292 and ICL/H20/13293. Limited to maximum as tested formula change
5. Bonded to non-combustible substrate with adhesive 'Amtico SF' at rate up to 3 m²/kg or adhesive 'Amtico HTE' at rate up to 2 m²/kg
6. Total thickness and weight of flooring after manufacturing process complete: 2.0mm, weight 2.85kg/m²
7. Floor covering 'Amtico Marine (08-18)' described in 2 above may be applied on a metallic substrate bonded with adhesive 'Amtico Universal 2-Part Adhesive' at rate up to 2m²/kg or adhesive 'Mapei MS 4LVT' at rate up to 2m²/kg
8. Composition and application of individual components including any fire retardants, heat stabilisers and adhesives to be maintained in production in accordance with originally tested composition formula

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9. Each item, batch or lot of the equipment is to have the “wheelmark” affixed and be issued with a “Declaration of Conformity” affixed after a conformity assessment module is in place
10. Production items 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
11. 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
12. 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
13. 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

Note: sometimes client requests that Places of productions not to be displayed on the DAD, in such cases it is still required that the application checklist includes all places of production and the following standard condition must be added to the DAD:

The Place(s) of Production have not been identified on the certificate, but details have been provided and agreed by Lloyd's Register (LR) and they are held in LR's confidential technical files. The client must notify LR of any changes to these facilities (i.e. the facilities for the product design, manufacture, inspection, testing, storage) for LR's agreement well in advance of the change, in order for the certificate to remain valid

NOTE

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

PLACE OF PRODUCTION

The Amtico Company Limited.
Kingfield Road
Coventry CV6 5AA
United Kingdom (UK)



Ratheesh Rajagopal
Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification B.V. (2814)