

EC Type Examination (Module B) Certificate

USCG-EU MRA

This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016 (S.I. 2016 No.1025), as amended, 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) 2020/1170
Regulation Item (No. & Item Designation)	MED/3.18C Surface Materials & 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
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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.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 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 notified body named on this certificate. The manufacturer should notify LRV 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/EC0038

Lloyd's Register Verification Limited (Reg. no. 4929226) 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.

Ratheesh Rajagopal

Fire & Safety Specialist to Lloyd's Register
Verification Ltd
A member of the Lloyd's Register group

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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).

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 B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body."

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR2001335MB-03

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.

This Certificate is an Amendment of Certificate No LR2001335MB

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

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. 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
4. Total thickness of flooring after manufacturing process complete: 2.0mm, weight 2.85kg/m²
5. Floor covering 'Amtico Marine (08-18)' described in 2 above may be applied on a metallic substrate bonded with adhesive 'Apollo A5196' at rate up to 2m²/kg or adhesive 'Mapei MS 4LVT' at rate up to 2m²/kg
6. 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
7. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype
8. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, whether manufactured by themselves or their licensee manufacturers, if agreed by Lloyd's Register, are fully compliant with the relevant statutory regulations and Lloyd's Register Class rules as applicable and designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties
9. 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

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10. 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
11. 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

NOTE

Fire retardant material applied on Filled Core Layer and Backing Layer.

PLACE OF PRODUCTION

The Amtico Company Limited
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Ratheesh Rajagopal
Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038