



EC TYPE EXAMINATION (MODULE B) CERTIFICATE


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) did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection equipment requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission Implementing Regulation (EU) 2018/773 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

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| Manufacturer (Applicant) Address | The Amtico Company Limited Kingfield Road Coventry CV6 5AA United Kingdom (UK) |
| Reference Regulation Item (No & Item designation) USCG Category Number | Regulation (EU) 2018/773 MED/3.18c SURFACE MATERIALS & FLOOR COVERINGS WITH LOW FLAME-SPREAD CHARACTERISTICS - FLOOR COVERINGS 164.117 - 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 Material - Type "Amtico Marine (01-14)" |
| Specified Standard | IMO Res. MSC.61 (67) - (FTP Code) Annex 1 Part 2 & 5 and Annex 2 IMO MSC/Circ.1120 IMO Res. MSC.307(88) - (2010 FTP Code) Section 8 IMO Res. MSC.307(88) - (2010 FTP Code) Part 2 & Part 5 and Annex 2 |

The attached Design Appraisal Document (schedule) forms part of this certificate.

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

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|-----------------|-------------|-------------|---|
| Date of issue | 2 May 2019 | Expiry date | 1 May 2024 |
| Certificate No. | MED 1950074 | Signed |  |
| Sheet No | 1 of 3 | Name | J. M. Evans For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038 |

Note:

This certificate is issued under the authority of the MCA.

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.

USCG-EU MRA - This product has been assigned a U.S. Coast Guard Module B number: USCG Module B number: 164.117/EC0038 to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment."

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Lloyd's
Register

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

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| Document number MED 1950074 |
| Issue number 1 |

DESIGN APPRAISAL DOCUMENT

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|---------------------|--|
| Date 10 May 2019 | Quote this reference on all future communications UKITSO/SFS/TA/JE/WP35574128 |
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1950074

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 a renewal of Certificate No. MED 1450102/M5

APPROVAL/EXAMINED DOCUMENTATION

TEST REPORTS

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, PO12 2AG, United Kingdom, Fire Test Reports No. ICL/H13/2979 Rev 2 dated 28th February 2014 and No. ICL/H13/2980 Rev 2 dated 28th February 2014.

Exova Warringtonfire Frankfurt, Industriepark Höchst C369, Frankfurt am Main D-65926, Germany, Fire Test Reports No. 2011-1724 dated 6th July 2011 and No. 2011-1726 dated 6th July 2011.

VTT Technical Research Centre of Finland, Espoo, Finland, Fire Test Report No. VTT-S-10957-08, dated 12th December 2008.

Warrington Fire Research, Holmesfield Road, Warrington, WA1 2DS, United Kingdom, Fire Test Report No. 120603 dated 21st August 2001.

Bodycote Warringtonfire, Holmesfield Road, Warrington, WA1 2DS, United Kingdom, Fire Test Reports No. 180571 dated 20th March 2009 and No. 180572 dated 6th March 2009.

Exova Warringtonfire, Holmesfield Road, Warrington, WA1 2DS, United Kingdom, Fire Test Report No. 351540 dated 5th May 2015.

CONDITIONS OF CERTIFICATION

1. When applied to a non-combustible substrate
2. PVC based floor covering consisting of: urethane acrylic surface coating roller applied at a rate of 12g/m², plasticised PVC clear wear layer 'Marine Clear Wear-layer' 520µm thick, print film layer 'SW2504' 75µm thick, filled plasticised PVC core layer 'Marine Filled Core Layer' 760µm thick, filled backing layer 'Marine Filled Backing Layer' 500µm thick
3. Total thickness of floor covering 2.0mm, total weight 2.55kg/m²
4. Floor covering adhered to substrate with 'Amtico Universal 2-Part' polyurethane adhesive by trowel at application rate 2.0 - 2.5m²/kg. The following adhesives may also be used: 'Amtico PS Adhesive', 'Amtico HT', 'Amtico SF Plus Adhesive', 'Kiilto M1000' adhesive, 'SF Adhesive'
5. Composition of individual coatings and adhesives, including any fire retardants, to be maintained in production in accordance with originally tested composition formula



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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1950074

- 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
- This product has been assigned a U.S. Coast Guard Module B number USCG Approval Category 164.117/EC0038 to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment"

In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not Lloyd's Register Verification Ltd., such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly

Note: For products placed on board U.S. flagged ships there is no declaration of conformity required to meet U.S. Coast Guard requirements

- 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

PLACE OF PRODUCTION

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



Jessica Evans
Senior 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