

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
CERTIFICATE OF TYPE APPROVAL**

(EC Certificate of Type Examination-2014/90/EU Directive Module B)

Certificate Number: 164.144/1121/WCL MED0437TE

Applicant:- **Andrew Muirhead & Son Limited** Manufacturer:- Andrew Muirhead & Son Limited
Address:- **273 – 289 Dunn Street, Glasgow, Scotland G40 3EA** 273 – 289 Dunn Street, Glasgow, Scotland G40 3EA

This is to certify that the applicant has submitted details of fire resisting upholstery materials (Item Number MED/3.20: Upholstered Furniture), known and designated as:-

“Lustrana, Lustrol, Sateen, Metallic, Ingleston, Grampian, Caledonian 2020, Arisaig”

having the technical specification given in the schedule of equipment on this certificate which has been tested and complies with the recommended criteria given in the following methods, published by the International Maritime Organisation, and which are contained in the relevant parts of the International Code for Application of Fire Test Procedures (FTP Code) namely:-

- IMO Resolution MSC 61(67) Annex 1 Part 8 and annex 2

This certificate is issued on behalf of the Maritime and Coastguard Agency (MCA). The system complies with the relevant international testing standards under which legislation (The Merchant Shipping Marine Equipment) Regulations 1999 and also the Marine Equipment Directive 2014/90/EU as amended, the certificate is issued.

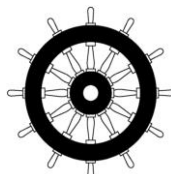
The manufacturer is allowed to affix the U.S. Coast Guard approval number 164.144/1121/WCL MED0437TE as allowed by the “Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment” signed February 27th, 2004.



P Duggan
Manager
Warrington Certification
Holmesfield Road
Warrington WA1 2DS

Date of Original Issue: 15th December 2014
Date of re-issue: 9th March 2018
This certificate is valid until 8th March 2023

This certificate is not valid for equipment, the design or manufacture of which, has been varied or modified from the specimens tested.



Certificate of Type Approval Schedule of Equipment

The applicant declared that the following comprises an accurate description of the system type to which this certificate applies.

General description	Pigmented Leather Upholstery Material	
Decorative Cover Fabric	Trade names / product references	"Lustrana, Lustrol, Sateen, Metallic, Ingleston, Grampian, Caledonian 2020, Arisaig"
	Generic type	Pigmented Leather
	Name of manufacturer	Andrew Muirhead & Son Limited
	Weight per unit area	875g/m ²
	Thickness	0.9 – 1.5mm
	Flame retardant details	See note 1 below
Foam cushion (used for the test)	Trade name	See note 2 below
	Generic type	Standard non FR polyurethane foam
	Name of manufacturer	See note 2 below
	Density	22kg/m ³
	Thickness	75mm
	Trade name of flame retardant	Standard non flame retardant grade foam
Brief description of manufacturing process	See note 3 below	

Note 1 – The sponsor was unwilling to provide this information.

Note 2 – The sponsor was unable to provide this information.

Note 3 – The sponsor provided this information but at the specific request of the sponsor, this information has been omitted from the test report and is instead held on our confidential file relating to this investigation

In accordance with Appendix 3, clause 1 of IMO resolution 307(88) Annex 1 Part 8, the upholster cover material may be used over any foam.

The under noted documents have been approved for compliance with the relevant requirements of International Conventions and European Union Legislation for the EC Type examination of Marine Equipment for use on Ships Registered in the European Economic Area.

Approved Documents - Test Reports

- | | | |
|--------------------|-------------------|------------|
| 1. Lustrana | - 27/02334E/08/11 | - 23/08/11 |
| 2. Lustrol | - 27/02337G/08/11 | - 25/08/11 |
| 3. Sateen | - 27/02334I/08/11 | - 25/08/11 |
| 4. Metallic | - 27/02334D/08/11 | - 23/08/11 |
| 5. Ingleston | - 27/02334B/08/11 | - 22/08/11 |
| 6. Grampian | - 27/02334A/08/11 | - 22/08/11 |
| 7. Arisaig | - 27/02334J/08/11 | - 25/08/11 |
| 8. Caledonian 2020 | - 27/02488/03/12 | - 19/03/12 |

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