



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/ ~~APPROVAL EXTENDED ⁽⁴⁾/~~
~~APPROVAL REFUSED ⁽⁴⁾/ APPROVAL WITHDRAWN ⁽⁴⁾/ PRODUCTION DEFINITELY~~
~~DISCONTINUED ⁽⁴⁾~~ OF A COMPONENT TYPE PURSUANT TO REGULATION NO 118.02



Approval No: 118R11-021195

Extension No: Not applicable

Reason for extension: Not applicable

SECTION I

GENERAL

- 1.1. Make (trade name of manufacturer): Andrew Muirhead & Son Limited
- 1.2. Type: Upholstery Leather
- 1.3. Means of identification of type, if marked on the device ^(b): Not applicable
 - 1.3.1. Location of that marking: Not applicable
- 1.4. Name and address of manufacturer:
Andrew Muirhead & Son Limited
Dalmarnock Leather Works
273-289 Dunn Street
Glasgow, G40 3EA
Scotland
- 1.5. Location of the approval mark: Manufacturer's label affixed to every roll of type approved material

- 1.6. Address(es) of assembly plant(s):
 Andrew Muirhead & Son Limited
 Dalmarnock Leather Works
 273-289 Dunn Street
 Glasgow, G40 3EA
 Scotland

SECTION II

1. Additional information (where applicable): See Appendix
2. Technical service responsible for carrying out the tests: TÜV Rheinland Kraftfahrt GmbH
3. Date of test report: 03 May 2017
4. Number of test report: 173VP0001-00
5. Any remarks: Approval to Supplement 2
6. Place: BRISTOL
7. Date: 24 MAY 2017
8. Signature:  D LAWLOR
 Chief Technical and Statutory Operations Officer
9. The index to the information package lodged with the Type Approval Authority, which may be obtained on request, is attached.
 - (1) Strike out what does not apply (there are cases where nothing needs to be deleted, when more than one entry is applicable)
 - (b) If the means of identification of type contains characters not relevant to describe the vehicle, component or separate technical unit types covered in this information document, such characters shall be represented in the documentation by the symbol "?" (e.g. ABC??123??)

APPENDIX

to type-approval communication form No. 118RII-021195

concerning the type-approval of a component type pursuant to Regulation No. 118.02

1. Additional information.
 - 1.1. Interior materials
 - 1.1.1. The direction which the component may be installed: ~~horizontal~~ / ~~vertical~~ / both horizontal and vertical direction(s).⁽¹⁾
 - 1.1.2. Fulfils the requirements in paragraph 6.2.6.: yes / ~~not applicable~~ ⁽¹⁾
 - 1.1.3. Compliance has been checked for components approved as complete devices: ~~yes~~ / no ⁽¹⁾
 - 1.1.4. Any restrictions of use and installation requirements: Not applicable
 - 1.2. Insulation materials
 - 1.2.1. The direction which the component may be installed: horizontal / vertical / both horizontal and vertical direction(s).⁽¹⁾ Not applicable
 - 1.2.2. Compliance has been checked for components approved as complete devices: yes/no ⁽¹⁾ Not applicable
 - 1.2.3. Any restrictions of use and installation requirements: Not applicable
 - 1.3. Electric cables
 - 1.3.1. Any restrictions of use and installation requirements: Not applicable
2. Remarks: None

Information document No. 2017

INFORMATION DOCUMENT FOR COMPONENT

In accordance with paragraph 3.2. of the Regulation relating to the type approval of a component used in the interior compartment, the engine compartment and any separate heating compartment with regard to its burning behaviour and/or the capability to repel fuel or lubricant of insulation materials used in the engine compartment and any separate heating compartment.

1. GENERAL

- 1.1. Make (trade name of manufacturer) Andrew Muirhead & Son Limited
- 1.2. Type and general commercial description(s)
- Type Upholstery Leather
- general commercial description(s) Arisaig
Caledonian 20:20
Grampian
Ingleston
Lustrana
Lustrol
Metallic
Sateen SA
Sateen SF
Venturer
- 1.3. Name and address of manufacturer Andrew Muirhead & Son Limited
Dalmarnock Leather Works
273-289 Dunn Street
Glasgow, G40 3EA
Scotland
- 1.4. In the case of components and separate technical units, location and method of affixing of the approval mark
Manufacturer's label affixed to every roll of type approved material.

(Design of approval mark see attachment Annex 1)
- 1.5. Address(es) of assembly plant(s) Andrew Muirhead & Son Limited
Dalmarnock Leather Works
273-289 Dunn Street
Glasgow, G40 3EA
Scotland

Information document No. 2017

2. INTERIOR MATERIALS

2.1. Material(s) intended for ~~horizontal~~ / ~~vertical~~ / horizontal and vertical installation¹⁾ horizontal and vertical installation

Material intended to be installed more than 500 mm above the seat cushion and/or in the roof of the vehicle: yes / ~~not applicable~~¹⁾

yes

2.2. Base material(s) / designation See attachment - Annex 2

2.3. Composite/single¹⁾ material, number of layers¹⁾ Single material

2.4. Type of coating¹⁾ See attachment - Annex 2

2.5. Maximum / minimum thickness mm See attachment - Annex 2

2.6. Type approval number, if available not available

3. INSULATION MATERIALS **not applicable**

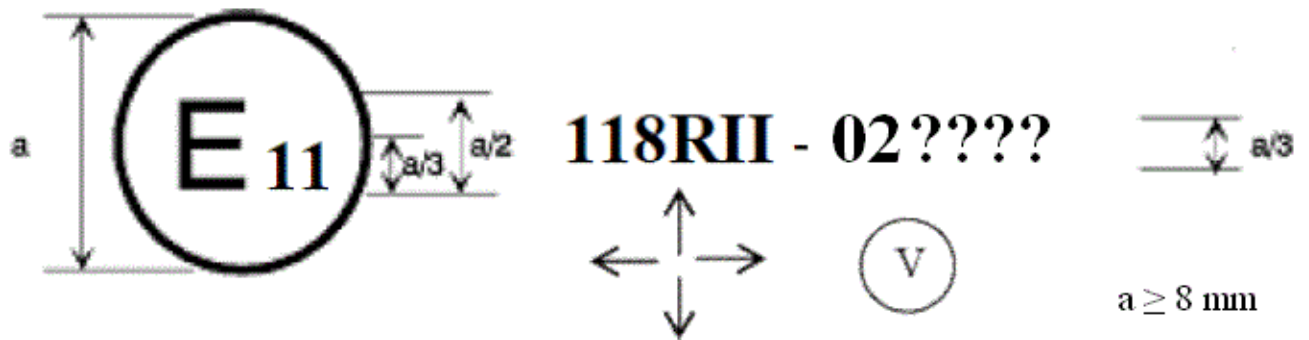
4. ELECTRIC CABLES **not applicable**

¹⁾ Strike out what does not apply

**Annex 1
to
Information document No. 2017**

Design, location and method of affixing the approval mark

1. Design of the approval mark:



The '????' denotes the approval number assigned by VCA (Vehicle Certification Agency), the Type Approval Authority of the United Kingdom.

2. Location of the approval mark:

Manufacturer's label affixed to every roll of type approved material.

3. Method of affixing the approval mark

Approval mark printed on a self-adhesive label.

**Annex 2
to
Information document No. 2017**

General Description – Base material	Pigmented Leather
Name of Manufacturer	Andrew Muirhead & Son Limited
Trade names	Arisaig Caledonian 20:20 Grampian Ingleston Lustrana Lustrol Metallic Sateen SA Sateen SF Venturer
Weight per unit area	850g/m ² ± 20%
Thickness	0.9-1.3mm ± 0.1mm
Coating	Aqueous based coatings

Weight and thickness are inclusive of coating. No adhesive is present

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

TEST REPORT

according to UNECE-Regulation

**Uniform technical prescriptions concerning the burning behaviour
and/or the capability to repel fuel or lubricant of materials used in the construction
of certain categories of motor vehicles**

(Part II - for a type of a component)

ECE-R 118 including Amendment 2, Supplement 2

Approval Status

UNECE approval : --

Structure of the Test Report

Item No.

- 0. General information
 - 1. Tested vehicle(s) / object(s)
 - 2. Test record
 - 3. List of Appendices
 - 4. Statement of conformity
- Attachment L Communication concerning the type approval
-

The Test Report shall be reproduced and published in full by the client only. It shall however be reproduced and published partially with the written permission of the Technical Service only.

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

0. General information

- 0.1. Make (trade name of the manufacturer) : Andrew Muirhead & Son Limited
- 0.2. Type : Upholstery Leather
- 0.3. Category of vehicle : n/a
- 0.4. Name and address of the manufacturer : Andrew Muirhead & Son Limited
 Dalmarnock Leather Works
 273-289 Dunn Street
 Glasgow, G40 3EA
 Scotland
- 0.5. Information document
 - Number : 2017
 - Date of issue : April 13, 2017
 - Date of last change : --

1. Tested vehicle(s) / object(s)

- 1.1. Description
- Vehicle / object : -- / samples of genuine leather in different thicknesses and colours
- Trade name : see Annex 2 to Information Document
- Identification number : see Appendix 1
- 1.2. Worst case selection : The determination of worst case scenario was done according to internal procedures of the Technical Service (QMA 1.301.005, section 6.2.2.2). The flammability tests have been performed on a representative selection of variants of the component type.
- 1.3. Remarks : All versions of the component type as stated in the information document are covered by the tested object(s) respectively.

Type : Upholstery Leather
 Manufacturer : Andrew Muirhead & Son Limited

2. Test record

- 2.1. Equipment for measuring and testing : The test facilities / measurement equipment used were in compliance with the test requirements.
- 2.2. Test results
 Remarks concerning extension : n/a
- 2.2.1. Test results referring to measurements
- 2.2.1.1. Horizontal burning rate
 (symbol ↔) [mm/min] : < 100, respectively the flame was extinguished before reaching the first / last measuring point
- 2.2.1.2. Melting behaviour
 (symbol (V)) : No drop was formed, which ignited the cotton wool
- 2.2.1.3. Vertical burning rate
 (symbol ↓) [mm/min] : < 100, respectively the flame extinguishes before the destruction of one of the first marker threads
- 2.2.1.4. Complete device
 (symbol (CD)) : n/a
- 2.2.1.5. Capability to repel fuel or lubricant of materials used in the engine compartment : n/a
- 2.2.1.6. Electric cables: resistance to flame propagation according to paragraph 5.22 of the ISO standard 6722-1:2011 : n/a

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

- 2.2.2 Test results of not measurable attributes : n/a
- 2.2.3 Alternative test provisions : n/a
- 2.3. Additional information : The test results refer exclusively to the object(s) mentioned under section 1.1. of this report.
 - Test site : TÜV Rheinland Kraftfahrt GmbH, Cologne, Germany
 - Test date : 2002-01-17 to 2015-10-08
- 2.4. Remarks : n/a

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

3. Appendices

Appendix 0 : List of modifications

Appendix 1 : Test record according to Annex 6, Annex 7
and Annex 8

4. Statement of conformity

The information document mentioned in section 0.5. and the type described in that comply with the requirements mentioned on page 1.

With regard to the required level of performance to be achieved, the tested samples were representative for the type to be approved (see section 1.2.).

The mentioned test results refer to the vehicle(s)/object(s) described under section 1.1. of this report.

Cologne, May 03, 2017



Dipl.-Ing. Florin Hofer

Expert Technical Service

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

List of modifications

Appendix 0

Correction of : --

Modification of : --

Addition of : --

Deletion of : --

Type : Upholstery Leather
 Manufacturer : Andrew Muirhead & Son Limited

Test record according to Annex 6, Annex 7 and Annex 8

Appendix 1

Test Report No.	Article	Date of Test Report	Test result Annex 6	Test result Annex 7	Test result Annex 8
153XS0064-00	Metallic (colour Silver)	2015-04-29	0 mm/min	pass	0 mm/min
153XS0064-00	Grampian (colour Black)	2015-04-29	0 mm/min	pass	0 mm/min
153XS0064-00	Ingleston (colour Saddle Brown)	2015-04-29	0 mm/min	pass	0 mm/min
153XS0064-00	Caledonian 20:20 (colour Chocolate)	2015-04-29	0 mm/min	pass	0 mm/min
153XS0064-00	Venturer (colour Delta)	2015-04-29	0 mm/min	pass	0 mm/min
153XS0170-00	Sateen SA (colour Black)	2015-10-09	0 mm/min	pass	0 mm/min

Remark:

The above listed test results are representative for all variants and trade names as mentioned in the Information Document. The test results are not dependent on the colour of the product.

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

Attachment L, data referring to UNECE-R 118,
 Amendment 2, Supplement 2

Communication concerning approval of a component type pursuant to Regulation No. 118

Section I

General

- 1.1. Make (trade name of manufacturer) : Andrew Muirhead & Son Limited
- 1.2. Type : Upholstery Leather
- General commercial description(s) : Arisaig, Caledonian 20:20, Grampian, Ingleston, Lustrana, Lustrol, Metallic, Sateen SA, Sateen SF, Venturer
- 1.3. Means of identification of type, if marked on the device ^(b) : n/a
- 1.3.1. Location of that marking : n/a
- 1.4. Name and address of manufacturer : Andrew Muirhead & Son Limited
 : Dalmarnock Leather Works
 273-289 Dunn Street
 Glasgow, G40 3EA
 Scotland
- 1.5. Location of the approval mark : Manufacturer's label affixed to every roll of type approved material
- 1.6. Address(es) of assembly plant(s) : Andrew Muirhead & Son Limited
 Dalmarnock Leather Works
 273-289 Dunn Street
 Glasgow, G40 3EA
 Scotland

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

Section II

1. Additional information (where applicable) : see Appendix 1
2. Technical service responsible for carrying out the tests : TÜV Rheinland Kraftfahrt GmbH
3. Date of test report : May 03, 2017
4. Number of test report : 173VP0001-00
5. Remarks (if any) : n/a

Type : Upholstery Leather
Manufacturer : Andrew Muirhead & Son Limited

APPENDIX 1

Appendix to the type-approval communication form No....
 concerning the type-approval of a component type pursuant to Regulation No. 118

1. Additional information
 - 1.1. Interior materials
 - 1.1.1. The direction which the component may be installed : ~~horizontal / vertical / both horizontal and vertical~~ direction(s). ⁽¹⁾
 - 1.1.2. Fulfils the requirements in paragraph 6.2.6 : ~~yes / not applicable~~ ⁽¹⁾
 - 1.1.3. Compliance has been checked for components approved as complete devices : ~~yes / no~~ ⁽¹⁾
 - 1.1.4. Any restrictions of use and installation requirements : n/a
 - 1.2. Insulation materials
 - 1.2.1. The direction which the component may be installed installed : n/a
 - 1.2.2. Compliance has been checked for components approved as complete devices : n/a
 - 1.2.3. Any restrictions of use and installation requirements : n/a
 - 1.3. Electric cables
 - 1.3.1. Any restrictions of use and installation requirements : n/a
2. Remarks : n/a