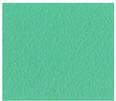
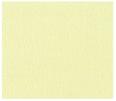


Caledonian 20:20

Grampian

Ingleston

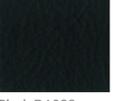
Stock Special Finishes

						
Greenest	Leaf SX017	Bottle Green SX031	Parrot SX018	Sage SX019	Aqua SX032	
						
Naturally	Oyster SX006	Oatmeal SX005	Linen SX002	Polar SX003	Silk SX004	Vanilla SX001
						
Earth	Savannah SX007	Cashmere SX009	Sahara SX010	Fawn SX011	Mink SX008	
						
Conquered	Burnt Plum SX021	Chocolate SX022	Mocha SX023	Chestnut SX024	Burnt Orange SX028	Harvest SX016
						
Marooned	Purple SX625	Virginia SX015	Cranberry SX014	Ruby SX013		
						
Red Hot	Pillar Box SX012	Titian SX029				
						
The Blues	Violet SX030	Riviera SX020	Sky High SX033			
						
Greyscale	Black SX027	Fastnet SX025	Silver Pearl SX026	Shadow SX034		



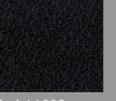
						
Bank of England Green GP124	Moss GP131	Khaki GP049	Tree GP123			
						
Maple GP010	Manilla GP018	Birch GP119	Soft White GP118			
						
Biscuit GP077	Explore GP064	Doe GP041	Taupe GP100	Alpaca GP069	Lightstone Beige GP076	
						
Peat GP130	Highland Bark GP129	Cocoa GP099	Nutmeg GP128	Beechwood GP127	Auburn GP122	
						
Grape GP028	Rich GP110	Imperial GP004	Burgundy GP121	Bourbon GP120	Pepper Red GP015	
						
Madeira GP038	Russet GP020	Lip GP113	Racing Yellow GP078			
						
Midnight GP031	Admiralty Blue GP068	Regal Blue GP126	Totem GP111	Heather GP132	Intensif GP125	Maximum GP063
						
Black GP001	Charcoal Grey GP042	Buffalo GP037	Pewter GP067	Niagara GP019		



						
Ocean Green DA107	Amazon DA207	Neptune DA109	Atlantic Green DA164	Lime DA200		
						
Magnolia DA112	Stone DA215	Cirrus DA378	White DA147			
						
Magma DA374	Butterscotch DA102	Toffee DA377				
						
Loom DA209	Sable DA210	Saddle Brown DA108	Ginger DA375			
						
Shiraz DA376	Claret DA201	Wine DA113	Mulberry DA098	Red DA058		
						
Scarlet DA106	Poppy DA217	Raspberry DA199	Jaffa DA197	Aztec Yellow DA114		
						
Russian Blue DA061	Bobbin DA202	Purple Polka DA091	Thistle DA233	Oxford Blue DA161	Hyacinth DA205	Cobalt DA379
						
Black DA099	Anthracite DA104	Gunmetal DA231	Heron DA110	Portland Grey DA089		

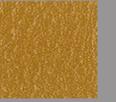


Lustrana

							
Mahogany LA015	Oxblood LA017	Rust LA018	Chestnut LA004	Cinnamon LA005	Cherry LA092	Dark Green LA009	Black LA002



Metallic

								
Umber MT057	Blue MT051	Garnet MT056	Indium MT055	Gold MT054	Grey MT050	Oyster MT052	Silver MT049	Pearl MT053

Sateen

						
Marine SF104	Delta SF637	Ink SF169	Rockall SF297	Atlantic Blue SF197	Charcoal SF626	Grey SF078

Perforated


Perforated

Any of the leathers on this card can be perforated post production.

Due to the technical limitation of perforating, we advise contacting the tannery to discuss individual requirements.

The Sateen range is fully fire retardant and is certified to conform with airworthiness and public seating specifications.

Technical Excellence

All of our leathers are tested and certified to meet the most exacting standards of performance and safety.

Our standard stock leathers within this card are tested to British Standard BS 6608:1985 and EN ISO 13336 for thickness, tear strength, flexing endurance, colour fastness, resistance to blocking, adhesion of finish and pH of aqueous extract.

They also conform to BS5852 Part 2 2006 Crib Source 5 when used in conjunction with a CMHR foam.

For full details of the tests, log onto our websites www.muirhead.co.uk and www.bowleather.co.uk

Product Characteristics			Lustrana	Sateen	Caledonian 20:20	Metallic	Gramplan	Ingleston
Description	Test Method	Minimum Performance Standard						
Colour Fastness to Rubbing (Water)	EN ISO 11640/1	150 Cycles Min 3 Grey Scale 500 Cycles Min 3 Grey Scale	●	●	●	●	●	●
Colour Fastness to Rubbing (Perspiration)	EN ISO 11640/1	50 Cycles Min 4 Grey Scale 100 Cycles Min 4 Grey Scale	●	●	●	●	●	●
Colour Fastness to Rubbing (Dry)	EN ISO 11640/1	500 Cycles Min 4 Grey Scale 1000 Cycles Min 4 Grey Scale	●	●	●	●	●	●
Light Fastness	ISO 105-B02	Min 6 Blue Wool	●	●	●	●	●	●
Finish Adhesion Dry	ISO 11644	5N/10mm	●	●	●	●	●	●
Finish Adhesion Wet	ISO 11644	2N/10mm	●	●	●	●	●	●
Burning Behaviour	BS5852	Crib 5 Pass	●	●	●	●	●	●
Burning Behaviour	IMO Module 8	Certified	●	●	●	●	●	●
Burning Behaviour	FAR 25.853	Vertical Burn Pass	By Special Order	●	By Special Order	By Special Order		By Special Order
Burning Behaviour	ABD 031	<200Ds	By Special Order	By Special Order	By Special Order	By Special Order		By Special Order
Burning Behaviour	BS 6853:1999	Rail Class 1B & 2	By Special Order	By Special Order	By Special Order	By Special Order		By Special Order
Burning Behaviour	DIN 5510	Pass	By Special Order	By Special Order	By Special Order	By Special Order		By Special Order
Flexing Endurance	ISO 5402-1:2011	20000 Cycles No Finish Cracks 100000 Cycles No Finish Cracks	●	●	●	●	●	●
Tear Strength	BS3144	35N	●	●	●	●	●	●
	ISO 3377-2:2002	25N	●	●	●	●	●	●
Tensile Strength	ISO 3376	12N/mm ²	●	●	●	●	●	●
Elongation at Break	ISO 3376	35% to 60%	●	●	●	●	●	●
Abrasion	ISO 17076-1:2012 (C510/ 500g)	500 Cycles No Rupture of Finish 1000 Cycles No Rupture of Finish	●	●	●	●	●	●
	Fogging	STD 1027.2711-3	90%					
Cold Crack	ISO 17233:2002	No Finish Cracks At -30°C					●	
Dry Heat Shrinkage	ISO 17227	<5% Alter 168 Hrs At 93°C					●	
Weight		850g/m ² +/-25g/m ²	●	●	●	●	●	●
		900g/m ² +/-25g/m ²						
Substance		1.0mm	●	●	●	●	●	●
		1.1mm				●		
		1.2mm					●	
Colour D65, TL84, A	Spectrophotometer	Visual Match to Master	●		●		●	●
		<1.0 ΔE		●		●		●
Hide Size		Average 4.5m ²					●	
		Average 4.8m ²	●	●	●	●	●	●
Product Application Key								
AM	AUT	Automotive						
B&C	CDF	Commercial & Domestic Furniture						
MRN	RA	Rail						
			CDF	MRN	AUT	CDF	B&C	MRN
					AUT	CDF	B&C	MRN
					AUT	CDF	B&C	MRN
					AUT	CDF	B&C	MRN
					AUT	CDF	B&C	MRN
					AUT	CDF	B&C	MRN

When two are better than one

The combined experience of Andrew Muirhead & Son Limited and Bridge of Weir Leather Company Limited. Both are Scottish Leather Group Limited companies



Bespoke Sampling and Production

As a flexible, fully vertical tannery, we are best placed to take care of any bespoke leather you may require.

We typically produce A4 samples within one working week, from your Pantone, RAL or NCS colour references allowing you to take our high performance quality leather and customise it for your specific requirements. Custom production follows your colour match approval.

In addition to standard specifications our leather can be manufactured to the following specifications for the rail industry.

BS6853 Class 1B
BS 6853 Class 2
DIN 5510
French M and F test requirements.

Orders from our stock ranges placed before 2pm are despatched same day to the UK mainland for next day delivery.

Samples can be ordered online, via email or by contacting us at the tannery.

Muirhead / Bridge of Weir - online

www.muirhead.co.uk and www.bowleather.co.uk offers online sampling as well as a range of other services, including a FAQ section, contact details for your nearest representative and a valuable insight into the markets we currently supply as well as general company information.

An individual shade card in any of the colours shown can also be ordered online, or by contacting the tannery direct.



Scan the QR code to visit www.bowleather.co.uk



Scan the QR code to visit www.muirhead.co.uk



To order any of the leathers featured, or to discuss how we can help you find the leather you are looking for, log onto our websites or contact us direct:

Andrew Muirhead & Son Limited

Registered Office and Tannery

Dalmarnock Leather Works, 273 - 289 Dunn Street, Glasgow G40 3EA, Scotland

Telephone: +44 (0)141 550 6400 Facsimile: +44 (0)141 554 4741 Email: sales@muirhead.co.uk



Colour Collection

Colour Collection



Leather for a Modern World

For over a century Andrew Muirhead & Son and Bridge of Weir Leather Company have been at the forefront of the leather industry, producing high performance quality leathers from hides reared through a unique blend of animal husbandry and fertile grazing, predominantly in Scotland.

Each and every hide is unique, with its own character and qualities, including growth lines, scars, and variations of grain and tone. These are testament to the natural origin of the leather and should not be regarded as a defect or fault.

Access to the finest raw materials helps us provide our customers with consistently high quality, finest Scottish leather.

We have an enviable track record in developing innovative solutions, on time and to budget across the diverse industries that we supply.

Offering a range of the finest leathers in a wide variety of colours, finishes and distinctive technologies we can meet the exacting needs of the modern designer.

Environmental Pioneers

As the importance of the environment plays an increasing role in business, more and more 'Green Standards' appear.

One standard exists above all these, however. ISO14001 is the original and still the most exacting measure of a company's environmental commitment and we are proud to hold accreditation to the world's most comprehensive environmental management system.

After substantial investment, we operate the leather industry's only Thermal Energy Plant where process waste is recycled into energy for use in the manufacturing process.

Visit www.lowcarbonleather.com for more information.

Our Stock Leathers

Caledonian 20:20 - 1.0mm luxury leather with a matt finish and a haircell grain suitable for all domestic and contract upholstery applications.

Ingleston - 1.2mm leather with a pronounced linear grain and matt finish suitable for all upholstery applications.

Gramplan - 1.2mm leather with luxurious pebbled grain which is suitable for use in any high traffic environment.

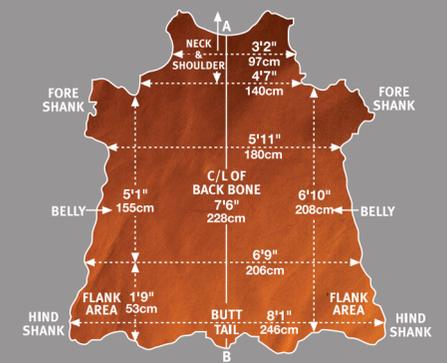
Lustrana - 1.0mm leather with a bright two-tone finish and haircell grain, suitable for most contract and domestic applications, and popular for traditional style upholstery.

Metallic - 1.1mm leather with a metallic finish and an Orkney grain suitable for all upholstery applications.

Sateen - 1.0mm premium leather with a matt finish and a haircell grain. Fully fire retardant and is certified to conform with airworthiness and public seating specifications.

Know Your Hide

As a natural product, every hide differs in shape and size – this diagram is for guidance only. Allow for a variation of 4.5 to 5.5 square metres / 48 to 60 square feet.



Care for Your Leather

Protect from:



Regular Care:



Cleaning:



This document is produced on card carrying the following accreditations:

ISO 9001, ISO 14001 accredited manufacturer
FSC Mixed 70%
EFC pulp from well managed and sustainable forests

