Element

Technical Information Pack

Healthcare | Hospitality | Marine | Residential | Workplace

YARWOOD

Faux Leather

Element Faux Leather Technical Information Pack

We look forward to working with you as your faux leather supplier, here are the main advantages of working with us:

Accredited to ISO9001, Yarwood provides a wide range of leather and faux leather ranges which are suitable for the domestic, aviation, automotive, contract and office upholstery sectors.

As well as supplying leather and faux leathers, we offer a cutting service which allows you to save time and money by having your order delivered as cut parts.

Additionally, we also offer a sewing service, once again allowing you to save money by having your leather or faux leather cut and sewn ready for assembly.

Please see enclosed the colour palette, technical information and fire certification for Element.

All our faux leathers have a minimum order quantity of one linear metre.

If you require any samples of our ranges, further information or to place an order, please contact the Sales Office:

+44 (0) 113 252 1014
enquiries@yarwoodleather.com

YARWOOD
Faux Leather

Range Information

A unique faux leather, with a metallic look.

Seating, headboards or panelling detail, the Element range consists of beautifully natural tones which add a touch of glamour to any design scheme.

Added Easy To Clean properties mean that most stains can be removed from Element using a simple soap and water solution. Anti-bacterial and anti-fungal properties also mean that Element offers a different finish for environments that need additional hygiene measures.

Key Facts

- Metallic Finish
- Anti-Bacterial
- Anti-Fungal
- Stain Repellent
- Bleach Cleanable
- REACH Compliant
- Meets OEKO-TEX standards

Fire Regulations

- Meets Cigarette & Match as standard
- Meets Crib 5 as standard
- Meets IMO Part 8 as standard

Please note that faux leather is manmade and therefore, repeat patterns may be noticeable within the product. Even though it is a manmade product, colour variation can happen from batch to batch and material should be checked thoroughly prior to use or cutting.

YARWOOD
Faux Leather

Technical Information

Application Usage

Healthcare | Hospitality | Marine | Residential | Workplace

Certification on following pages

Test Results

Wear Tests

Test	Units	Warp	Weft	Method
Tensile Stength	N	310	350	EN ISO 1421:1998
Tear Resistance	N	55	45	EN ISO 4674-1
Seam Slippage Resistance	mm	3.0	3.0	EN ISO 13936-2: 2004
Abrasion Resistance (Martindale)	No. of Cycles	100,000	100,000	EN ISO 12947-2 (wool)
Fastness to Light	Grade	5	5	EN ISO 4892-2-2006
Colour Fastness to Rubbing	Wet Rubs	5	5	EN ISO 11640/105 X 12
Colour Fastness to Rubbing	Dry Rubs	5	5	EN ISO 11640/105 X 12

Material Characteristics

Composition		Width	Weight	Thickness	Phtalate Free
78%	PVC	140 cm ± 2cm	750g/m2 ± 10%	1.20 mm ± 10%	Pass
2%	PU	55 inches			
20%	Poly Viscone				

Flammability Tests

		Test	Result
Domestic FR	**(Cigarette + Match)**	BS 5852: Part 1: 1979	Pass
Contract FR	**(Crib 5)**	BS 5852:2006 - Ig source 5	Pass
Marine FR	**(Indoor Marine Seating)**	IMO 2010 FTP Code Annex 1 Part 8	Pass

Microbiological Tests

	Test	Requirement
Antibacterial Activity	ISO 20743:2013 Staphylococcus aureus (ATCC 6538 Gram(+))	Pass
Antibacterial Activity	ISO 20743:2013 Klebsiella pneumoniae (ATCC 4352 Gram(-))	Pass
Antifungal Activity	AATCC 30:2013	Pass
Colour fastness to rubbing - Wet (anti-urine)	TS EN ISO 11640	Pass
Abrasion Resistance - Wet (anti-urine)	TS EN ISO 5470-2	Pass
Flexing Strength - Wet (anti-urine)	TS EN ISO 5402-1	Pass

Using Element

With any product, it is important to ensure the right material is being used for your application.

When upholstered, Element offers a long lasting finish when treated with care.

Element is finished with Easy To Clean properties, meaning most stains can easily be removed by using warm water and soap.

See the following page for a comprehensive care and cleaning guide.

Using Element in Healthcare Design

Neutral tones with a beautiful finish, add a comforting finish into healthcare seating with Element faux leathers.

Added anti-bacterial and anti-fungal properties means that Element is ready to help create relaxing seating across the healthcare sector. Element is also able to be cleaned with bleach and alcohol, please refer to cleaning and care advice.

Using Element in Hospitality Design

The metallic look finish of Element allows you to add detail into a design on bar panelling, hotel headboards as well as seating.

As with all Yarwood ranges, Element comes Crib 5 as standard, for Crib 5 certification please see the end of this technical information pack.

Using Element in Marine Design

Element meets IMO Part 8 fire regulations for indoor marine seating. Use Element throughout the cabin or on-board larger vessels, bring the metallic look into public spaces, bars and restaurants.

For IMO certification please see the end of this technical information pack.

Using Element in Residential Design

Ottomans, chaise longues or banquette seating, bring a touch of glamour into home seating with Element.

With Easy Clean properties, Element can be cleaned with soap and warm water, meaning common household stains can be treated.

Using Element in Workplace Design

Bring a more social feel into workplace design, Element is suited to breakout stools and seating, desk panelling or even work canteen areas.

For Crib 5 certification please see the end of this technical information pack.

YARWOOD
Faux Leather

Element Range

Classic neutrals with a metallic look make up the Element Faux Leather range.

Metals and precious stones inspired the colour palette.

Browns:
Smoky Quartz, Copper, Brushed Bronze, Jasper, Onyx, Tiger Eye

Pink:
Rose Quartz

Silver:
Titanium

White:
Opal

Please note that faux leather is manmade and therefore, repeat patterns may be noticeable within the product. Even though it is a manmade product, colour variation can happen from batch to batch and material should be checked thoroughly prior to use or cutting.

Rose Quartz
V ELEM02

Opal

V ELEM01

Titanium

V ELEM03

Brushed Bronze

V ELEM08

Copper

V ELEM05

Brass

V ELEM04

Tiger Eye

V ELEM09

Onyx

V ELEM10

Jasper

V ELEM07

Smoky Quartz

V ELEM06

YARWOOD
Faux Leather

Element Care and Cleaning Guide

Easy to Clean Properties

Added Easy Clean properties mean that most stains can be removed from Element using a simple soap and water solution.

Stain Resistent Properties

Element is also produced with added stain resistant treatment, this paired with the Easy To Clean properties means that common stains are easily removed and will not dull the look of Element.

General Care of Element

The biggest enemy to a piece of upholstery is the build-up of material on the surface of the faux leather. If material is allowed to build up, when you move against the surface of the faux leather instead of only rubbing material against the surface, the faux leather grabs any free material and rubs said material under force and pressure against the surface of the faux leather.

This can cause severe abrasion of the surface. We recommend vacumming the faux leather as this removes the dirt particles and prevents them abrading against the surface of the faux leather. Dusting with a cloth is also a suitable process.

Wet Stains

All stains should be removed immediately.
The simple answer is to simply remove any excess liquid or puddles with a damp lint free cloth.

Common stains
E.g. mascara, felt tip pen, crayon, chocolate, body lotions.
Remove excess spill with a damp cloth. Clean with a 1:1 mix of alkaline soap and water.
Then, rinse with water.

Disinfecting and Severe stains

Element can be safely disinfected with either a 1:10 ratio of bleach in water, or a 1:1 ratio of an ethanol based Alcohol in water.

Severe stains
E.g. blood, urine, lipstick
Remove excess spill with a damp cloth.
Clean with a 1:10 mix of bleach and water, then rinse with water.

Other Persistent Stains

Remove excess spill with a damp cloth.
Clean with a 1:1 mix of alcohol and water, then rinse with water.

If in doubt, please get in touch for guidance.

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FLAMMABILITY TEST REPORT

Report No.: LEI22050126B **Date Received:** 03/05/22 **Date Tested:** 09/05/22 **Date Issued:** 10/05/21

Company Name & Address: YARWOOD LEATHER
UNIT B
TREEFIELD IND. EST.
GILDERSOME
LEEDS
LS27 7JU

Contact Name: JOHN EDWARD

Sample Details

Order No.:	PP0002082
Sample Description:	ELEMENT
Ref. / Style No.:	Not stated
Batch No.:	Not stated
Colour:	Not stated
Quality:	Not stated
Supplier:	Not stated
Batch No.:	Not stated
End Use:	Not stated
No. of Samples:	1
Quoted Fibre Composition:	Not stated
Retailer:	General
Buying Division:	Not stated
Sample Description:	White coloured woven fabric with brown coloured coating

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	None	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	**NI/5 (PASS)**

……	……	……	……
~~STEVEN OWEN~~ ~~(Technical & Operational Excellence Manager)~~	ANDREW HALLETT (Flammability Team Leader)	~~CAROLE SPOWART~~ ~~(Flammability Administrator)~~	~~GREGORY JAMES~~ ~~(Flammability Technician)~~

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FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 5.99%

Foam specification

Supplier / Grade: Carpenter / RX36110
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)
Density / Hardness: 36kg/m^3 ± 5% /105N ± 15%

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 24 hours in an atmosphere having a temperature of 23 ± 2°C and a relative humidity of 50 ± 5%

At Time of Testing: Temperature of 10 ºC to 30 ºC and a relative humidity of 15 % to 80 %

Test Results

"The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use";

Test number / position	**1**		**2**	
Criterion of Ignition				
Smouldering Criteria				
Externally detectable amounts of smoke, heat or glowing 60 minutes after crib ignition	No		No	
Escalating smouldering behaviour rendered the test unsafe to continue and required forcible extinction	No		No	
Smouldering essentially consumed the test specimen within the duration of the test / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No		No	
Flaming Failure				
The test specimen continued to flame for more than 10 minutes after the ignition of the crib	No		No	
Escalating combustion behaviour rendered the test unsafe to continue and required forcible extinction	No		No	
Flaming essentially consumed the test specimen within the duration of the test	No		No	
Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No		No	
Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib	No		No	
Final Examination				
Progressive smouldering was observed when the sample was dismantled	No		No	
Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source	No		No	
Time to extinction of flames after crib ignition	5 Minutes 08 Seconds		5 Minute 14 Seconds	
Time to extinction of glowing after crib ignition	5 Minutes 58 Seconds		6 Minutes 44 Seconds	
Time to extinction of smoke after crib ignition	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased		Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased	
Maximum extent of damage to back (mm) Length / Width	400	95	400	105
Maximum extent of damage to base (mm) Length / Width	84	114	80	117
Test Result	**NI/5 (PASS)**		**NI/5 (PASS)**	
Ignitability performance index: "Clause 11 - NI/5"				

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FLAMMABILITY TEST REPORT

Report No.: LEI22050126A **Date Received:** 03/05/22 **Date Tested:** 09/05/22 **Date Issued:** 10/05/22

Company Name & Address: YARWOOD LEATHER
UNIT B
TREEFIELD IND. EST.
GILDERSOME
LEEDS
LS27 7JU

Contact Name: JOHN EDWARD

Sample Details

Order No.:	PP0002082
Sample Description:	ELEMENT
Ref. / Style No.:	Not stated
Batch No.:	Not stated
Colour:	Not stated
Quality:	Not stated
Supplier:	Not stated
Batch No.:	Not stated
End Use:	Not stated
No. of Samples:	1
Quoted Fibre Composition:	Not stated
Retailer:	General
Buying Division:	Not stated
Sample Description:	White coloured woven fabric with brown coloured coating

Test Method	Pre Treatment	Requirement	Result
BS 5852: Part 1: 1979, Ignition source 0 (Cigarette)	None	Compliance with Schedule 4 Part 1 (The cigarette test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	**Complies**
Note: Fabric was submitted for test rather than the upholstery composite so as suggested by The Guide to the Furniture Regulations the cover fabric was tested for cigarette resistance using standard polyurethane foam (non-modified) as this will give the furniture manufacturer a good indication of its likelihood to pass the cigarette test for the finished article			
BS 5852: Part 1: 1979, Ignition source 1 (Match)	None	Compliance with Schedule 5 Part 1 (The match test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	**Complies**

……..	……	……	……..
~~STEVEN OWEN~~	ANDREW HALLETT	~~CAROLE SPOWART~~	~~GREGORY JAMES~~
~~(Technical & Operational Excellence Manager)~~	(Flammability Team Leader)	~~(Flammability Administrator)~~	~~(Flammability Technician)~~

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FLAMMABILITY TEST REPORT

Test Specification

Test Method:	BS 5852: Part 1: 1979 as modified by Schedule 4 Part 1 & Schedule 5 Part 1 of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).
Ignition Source:	Ignition source 0: Filterless cigarette Ignition source 1: Butane Gas flowing at 45ml/min @ 25°C.
Flame Application Time:	20±1 seconds
Side Tested:	Face

Uncertainty of Measurement

The uncertainty of measurement for Schedule 4 Part 1 source 0 has been estimated to be 0.03%
The uncertainty of measurement for Schedule 5 Part 1 source 1 has been estimated to be 5.43%

Filling Specification

Filling Type:	Polyurethane foam
Supplier / Grade:	Carpenter / RP21130 unmodified
Size:	450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness:	20-22 kg/m^3 / Type B, 130N

Pre-treatment / Durability Procedure

None

Conditioning

Prior to Testing:	At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 20±5°C and a relative humidity of 50±20%
At Time of Testing:	Temperature between 15°C & 30°C. Relative humidity between 20% & 70%

Test Results

"The following test results relate only to the ignitability of the combinations of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use."

Ignition source 0 (Test 1):	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. **(Pass)**
Ignition source 0 (Test 2):	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. **(Pass)**
Ignition source 1 (Test 1):	Flaming ceased with the removal of the burner, there was no progressive smouldering. **(Pass)**
Ignition source 1 (Test 2):	Flaming ceased with the removal of the burner, there was no progressive smouldering. **(Pass)**

Conclusions

The composite tested meets the requirements of Schedule 4 Part 1 (The cigarette test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

The fabric tested meets the requirements of Schedule 5 Part 1 (The match test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

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FLAMMABILITY TEST REPORT

Report No.: LEI22050126C **Date Received:** 03/05/22 **Date Tested:** 09/05/22 **Date Issued:** 10/05/22

Company Name & Address: YARWOOD LEATHER
UNIT B
TREEFIELD IND. EST.
GILDERSOME
LEEDS
LS27 7JU

Contact Name: JOHN EDWARD

Sample Details

Order No.:	PP0002082
Sample Description:	ELEMENT
Ref. / Style No.:	Not stated
Batch No.:	Not stated
Colour:	Not stated
Quality:	Not stated
Supplier:	Not stated
Batch No.:	Not stated
End Use:	Not stated
No. of Samples:	1
Quoted Fibre Composition:	Not stated
Retailer:	General
Buying Division:	Not stated
Sample Description:	White coloured woven fabric with brown coloured coating

Test Method	Pre Treatment	Flammability Performance Requirements	Result
IMO FTP Code (2010) – Annex 1, Part 8 (Smouldering cigarette test)	None	IMO FTP Code (2010) – Annex 1, Part 8	**PASS**
IMO FTP Code (2010) – Annex 1, Part 8 (Propane flame test)	None	IMO FTP Code (2010) – Annex 1, Part 8	**PASS**

~~STEVEN OWEN~~ ~~(Technical & Operational Excellence Manager)~~	ANDREW HALLETT (Flammability Team Leader)	~~CAROLE SPOWART~~ ~~(Flammability Administrator)~~	~~GREGORY JAMES~~ ~~(Flammability Technician)~~

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FLAMMABILITY TEST REPORT

Additional Information (Annex)

Name and Address of the Sponsor:	Not stated
Name and Address of the Manufacturer/Supplier (If known):	Not stated
Type of Furniture:	Not stated
Fabric Details – Weave/Density/Yarn count/thickness(mm)/mass(g/m²) Colour & Tone:	Not stated
Fire Retardant Treatment:	Not stated

Test Specification

Test Method:	IMO FTP Code (2010) – Annex 1, Part 8
Ignition Source:	Ignition source 0: Filterless cigarette Ignition source 1: Propane Gas (95% Purity) flowing at 6.38±0.25 g/hour @ 20°C.
Flame Application Time:	20±1 seconds
Side Tested:	Face

Uncertainty of Measurement

The uncertainty of measurement for ignition source 0 has been estimated to be 0.03%

The uncertainty of measurement for ignition source 1 has been estimated to be 5.43%

Cigarette Specification

Cigarette Type:	Filterless cigarette
Dimensions:	Length: 70±4 mm Diameter: 8±0.5 mm
Mass:	0.95±0.15 g
Smouldering Rate:	11±4.0 min/50mm

Filling Specification (As requested by the customer)

Filling Type:	Polyurethane Foam
Supplier / Grade:	Carpenter / RP21130 Unmodified
Size:	450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness:	20-22 kg/m^3 / Type B, 130N

Pre-treatment / Durability procedure

None. Tested as received

Conditioning

Prior to Testing:	At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%
At Time of Testing:	Temperature between 15°C & 25°C. Relative humidity between 20% & 70%

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FLAMMABILITY TEST REPORT

Test Results

"The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use."

Cigarette Test	**Initial**		**Repeat**	
Criterion of Ignition				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Occurrence Of Flames	No		No	
Comments				
Flaming Ceased	-		-	
Glowing Ceased	-		-	
Smoke Ceased	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering		The cigarette failed to burn its complete length, there was no flaming or progressive smouldering	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	-	-	-	-
Damage to Base (mm) Length / Width	-	-	-	-
Result	**PASS**		**PASS**	

Propane Flame Test	**Initial**		**Repeat**	
Criterion of Ignition				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Flames For Longer Than 120 Seconds	No		No	
Comments				
Flaming Ceased	0 Seconds		0 Seconds	
Glowing Ceased	-		-	
Smoke Ceased	20 Seconds		18 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	75	13	75	15
Damage to Base (mm) Length / Width	12	10	13	10
Result	**PASS**		**PASS**	

Conclusions

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the smouldering cigarette test in FTP Code (2010) – Annex 1, Part 8. **PASS.**

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the propane flame test in FTP Code (2010) – Annex 1, Part 8. **PASS.**

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