

# Botany

Technical Information Pack

Hospitality

Marine

Residential

Workplace

# YARWOOD

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## Faux Leather



# Botany 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 Botany.

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](mailto:enquiries@yarwoodleather.com)

**YARWOOD**  
Faux Leather





# Range Information

A renewable faux leather, that doesn't compromise on performance.

Botany provides a natural leather look, with a selection of earthy tones and warm neutrals ready to create seating and panelling full of character.

Derived from wood-based biomaterials which are 100% renewable, Botany offers a sustainable faux leather and as with all Yarwood Faux Leathers, Botany meets Crib 5 and IMO Part 8 fire standards, as well as having anti-microbial properties.

- Made using 100% renewable feedstock
- Source does not compete with the food chain
- 100% non-fossil materials
- Provides greenhouse gas savings of up to 90%

## Key Facts

- Created from sustainable bio-materials
- Anti-Bacterial
- Anti-Fungal
- 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.

# Technical Information

## Application Usage

Healthcare | Hospitality | Marine | Residential | Workplace

Certification on following pages

## Test Results

### Wear Tests

Test	Units	Warp	Weft	Method
Tensile Strength	N	720	310	EN ISO 1421:1998
Tear Resistance	N	76	56	EN ISO 4674-1
Abrasion Resistance (Martindale)	No. of Cycles	100,000		EN ISO 5470-2 (wool)
Flexing Endurance	Flexes	100,000		EN ISO 5402-1

### Material Characteristics

Composition	Width	Weight	Thickness	Phthalate Free
69% PVC 3% PU 14% Polyester 14% Viscose	140 cm ± 2cm 55 inches	750g/m2 ± 10%	1.20 mm ± 10%	Pass

### 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



# Botany Range

A range of earthy tones and classic neutrals make up the Botany Faux Leather range.

Paying homage to the wood-based biomaterials used to create the faux leather, Botany takes its tones from nature, to bring a relaxed feel to interior designs.

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.

Ebony



V BOTA12

Bark



V BOTA09

Conker



V BOTA10

Hazel



V BOTA07

Chestnut



V BOTA11

Birch

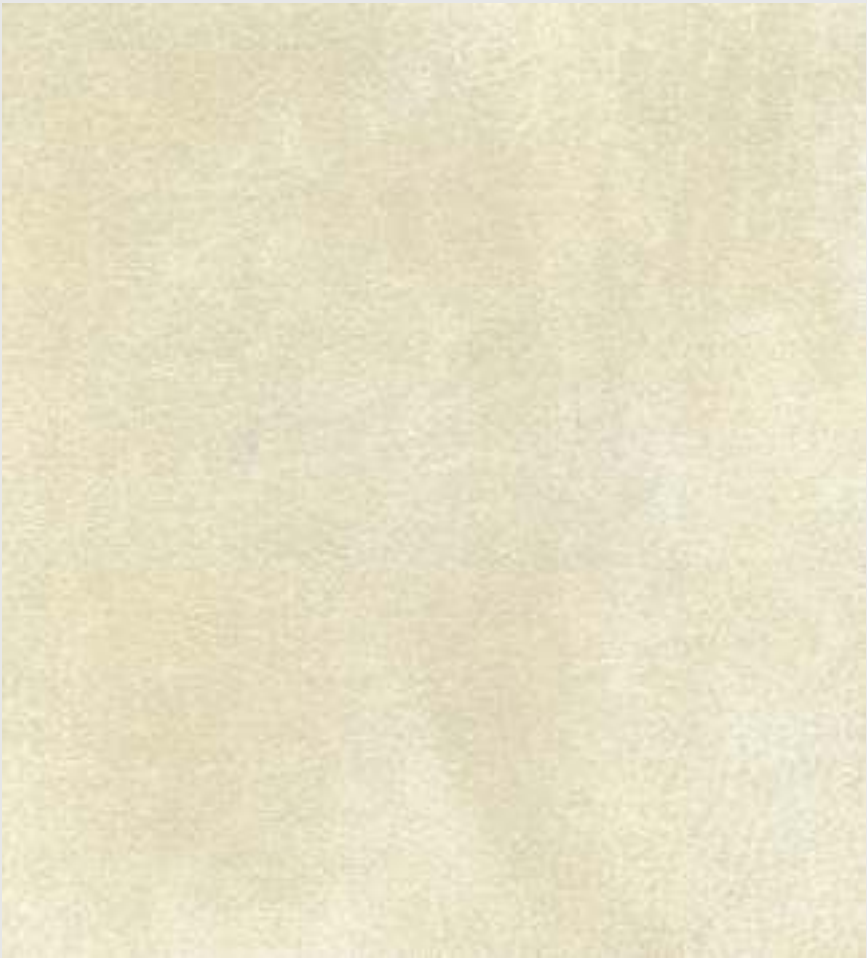


V BOTA02

Driftwood



V BOTA04



Magnolia  
V BOTA01

Fossil



V BOTA05

Anthracite



V BOTA06

Teak



V BOTA03

Walnut



V BOTA08



# Botany Sustainability Qualities

## The Key Facts:

Made using 100% renewable feedstock

Source does not compete with the food chain

Created using 100% non-fossil materials

Provides greenhouse gas savings of up to 90%

To complement our natural leather offering, which takes a material that would otherwise go to landfill and upcycles it, Yarwood Leather have introduced a faux leather option which takes a renewable biomaterial and once again transforms it into something which if treated correctly, will create long-lasting designs.

Botany is created by taking wood-based residue biomaterials from the forestry industry (e.g. splinters, pellets, sawdust) and creating a bio-sourced ethylene to create a soft handle faux leather.

This biomaterial is ethically sourced, it does not compete with the food chain and ensures that a byproduct of the forestry industry is used and not wasted.

As it is a byproduct of the forestry industry, it is 100% renewable source and is created using 100% non-fossil materials.

This biomaterial still provides a product which has the great properties of faux leathers, durability and flexibility.





# Using Botany

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

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

Botany 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.

**YARWOOD**  
Faux Leather

## Using Botany in Hospitality Design

Botany's natural tones bring a comforting feel to hospitality interiors, pair with vivid leathers or Yarwood fabrics to provide a contrasting scheme.

Botany is suitable for use throughout hotels, bars and restaurant designs, meeting contract fire requirement Crib 5 as standard.

## Using Botany in Marine Design

Bring the leather look to cruise and yacht design. Botany meets IMO Part 8 fire regulations for indoor marine seating, perfect for using across lounge seating, stools or even cabin panelling.

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

## Using Botany in Residential Design

Botany provides a way to bring the natural look of leather into the home. Think wall panelling, kitchen banquettes or even window seating. With its simple care regime, Botany can be cleaned with soap and warm water, meaning common household stains can be treated.

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

## Using Botany in Workplace Design

Perfect for breakout den seating, workplace canteens or desk screening, bring the subtle look of Botany to workplace seating and designs.

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





# Botany Care and Cleaning Guide

## Easy to Clean Properties

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

## General Care of Botany

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 vacuuming 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.

If in doubt, please get in touch for guidance.



## FLAMMABILITY TEST REPORT

**Report No.:** LEI22051607A      **Date Received:** 16/05/22      **Date Tested:** 24/05/22      **Date Issued:** 24/05/22

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

**Contact Name:** JOHN EDWARD

### Sample Details

Order No.: PP0002083  
Sample Description: VINYL  
Ref. / Style No.: BOTANY  
Batch No.: Not stated  
Colour: Not stated  
Quality: Not stated  
Supplier: Not stated  
Batch No.: Not stated  
End Use: UPH  
No. of Samples: Not stated  
Quoted Fibre Composition: Not stated  
Retailer: General  
Buying Division: Not stated  
Sample Description: White coloured knitted 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).	<b>Complies</b>
<b>Note:</b> 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).	<b>Complies</b>

.....  
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(Technical & Operational  
Excellence Manager)

  
.....  
**ANDREW HALLETT**  
(Flammability Team Leader)

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**CAROLE SPOWART**  
(Flammability  
Administrator)

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**GREGORY JAMES**  
(Flammability Technician)



## 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<sup>3</sup> / 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. <b>(Pass)</b>
Ignition source 0 (Test 2):	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. <b>(Pass)</b>
Ignition source 1 (Test 1):	Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>
Ignition source 1 (Test 2):	Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>

### 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.**

## FLAMMABILITY TEST REPORT

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## FLAMMABILITY TEST REPORT

**Report No.:** LEI22051607B    **Date Received:** 16/05/22    **Date Tested:** 24/05/22    **Date Issued:** 24/05/21

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

**Contact Name:** JOHN EDWARD

### Sample Details

Order No.: PP0002083  
Sample Description: VINYL  
Ref. / Style No.: BOTANY  
Batch No.: Not stated  
Colour: Not stated  
Quality: Not stated  
Supplier: Not stated  
Batch No.: Not stated  
End Use: UPH  
No. of Samples: Not stated  
Quoted Fibre Composition: Not stated  
Retailer: General  
Buying Division: Not stated  
Sample Description: White coloured knitted 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)

.....  
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(Flammability  
Administrator)

.....  
**GREGORY JAMES**  
(Flammability Technician)

## 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<sup>3</sup> ± 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 °C to 30 °C 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	4 Minutes 21 Seconds		5 Minute 07 Seconds	
Time to extinction of glowing after crib ignition	7 Minutes 08 Seconds		7 Minutes 53 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	80	400	84
Maximum extent of damage to base (mm) Length / Width	72	100	72	110
Test Result	NI/5 (PASS)		NI/5 (PASS)	
Ignitability performance index: "Clause 11 - NI/5"				



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## FLAMMABILITY TEST REPORT

**Report No.:** LEI22051607C **Date Received:** 16/05/22 **Date Tested:** 24/05/22 **Date Issued:** 24/05/22

### 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/m<sup>2</sup>) 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  
Colour: Not stated  
Quality: Not stated  
Supplier: Not stated  
The uncertainty of measurement for ignition source 0 has been estimated to be 0.03%  
Batch No.: Not stated  
The uncertainty of measurement for ignition source 1 has been estimated to be 5.43%  
End Use: UPH  
No. of Samples: Not stated

### 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

<u>Filling Specification (As requested by the customer)</u>		<u>Requirements</u>	
IMO FTP Code (2010) – Annex 1, Part 8 Supplier / Grade: (Smouldering cigarette test)	Polyurethane Foam Carpenter / RP21130 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)	IMO FTP Code (2010) – Annex 1, Part 8 Unmodified	<b>PASS</b>
IMO FTP Code (2010) – Annex 1, Part 8 Density / Hardness:	20-22 kg/m <sup>3</sup> / Type B, 130N None	IMO FTP Code (2010) – Annex 1, Part 8	<b>PASS</b>

### 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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Report No.: LEI22050126C Page 2 of 4



## 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/m<sup>2</sup>) 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<sup>3</sup> / 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%

## 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	23 Seconds		24 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	70	13	75	15
Damage to Base (mm) Length / Width	10	10	10	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.**

## FLAMMABILITY TEST REPORT

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## Get in touch

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