

**LANCASHIRE TESTING SERVICES LIMITED**

Lyon Road Industrial Estate : Kearsley : Bolton

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Tel: +44 (0) 1204 792858

Email: enquiries@ltslab.co.uk

[www.ltslab.co.uk](http://www.ltslab.co.uk)

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**TEST CERTIFICATE**

<b>CLIENT:</b>	Camira Fabrics Meltham Mills, Meltham Huddersfield HD9 4AY - -	<b>Certificate Number:</b>	<b>UK2000869 -2</b>
		<b>Date Received:</b>	08/10/2020
		<b>Date Issued:</b>	12/10/2020
		<b>Issue Number:</b>	1
<b>Contact:</b>	Luke Russel	Changes from previous issue (if applicable)	
<b>Tel:</b>	01924 481368		
<b>Email:</b>	luke.russell@camirafabrics.com		

**SAMPLE IDENTIFICATION**

The information in this section is provided by the client and Lancashire Testing Services Ltd assumes no responsibility or liability for its accuracy.

Sample Name / Reference	Synergy & FR Treatment (Z)
Additional Names:	-
Batch Ref/Number:	460455
Order Number:	PO 83A09249
Colour:	Engage
Fabric Composition:	95% Virgin Wool, 5% Polyamide
Customer:	-

**SPECIFICATION**

BS7176:2007 + A1:2011 - Medium Hazard

**TEST METHOD**

Flammability:	BS EN 1021-1:2006 Part 1: Ignition source smouldering cigarette BS EN 1021-2:2006 Part 2: Ignition source match flame equivalent BS 5852:2006 Crib Ignition source 5
Pre-treatment:	BS 5852:2006 Annex E - Water soaking procedure

**Conclusion**

The composite tested: **Complies** with the flammability requirements of:  
BS 7176:2007 + A1:2011 Medium hazard, taking into account uncertainty of measurement.

Uncertainty of Measurement:  $\pm 1$  second - timing measurements,  $\pm 1$ mm - dimensional measurements**Comments:**

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<b>Test Results:-</b>						
<b>BS7176:2007 + A1:2011 - Medium Hazard - Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites</b>						
<i>"The following test results relate only to the ignitability of the combination 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."</i>						
Sample Code	UK2000869 -2					
Sample / Name Reference	Synergy & FR Treatment (Z)					
Client	Camira Fabrics					
Date of test	12/10/2020					
Pre-Treatment	BS 5852:2006 Annex E - Water soaking procedure Line Dried during day at ambient temperature					
Filling Type	Carpenter/RX36110 CMHR polyurethane foam of approximate density 36Kg/m3					
Size of test rig	Small: Back - 450 x 300 ± 2mm + Seat - 450 x 150 ± 2mm					
Test Conditions	Period h	Temperature °C	Relative humidity %	Air Flow m/s	Volume m <sup>3</sup>	
Conditioning of test specimens	≥16	23±2	50±5	-	-	
Testing conditions	-	10-30	15-80	0.02-0.2	>6	
Testing Source	BS EN 1021-1:2006 Smouldering Cigarette Source					
Testing time limit	60 minutes after placement of smouldering cigarette.					
Test No.	Position	Ignition/Non Ignition	Duration of: (min.sec)			Smouldering and flaming criteria exceeded: (If any)
			Ignition Source	Flames	Smoke	
1	RHS	NI	24.14	-	25.20	-
2	M	NI	23.07	-	24.08	-
3	-	-	-	-	-	-
Testing Source	BS EN 1021-2:2006 Match flame ignition source					
Testing time limit	2 minutes after removal of burner tube (120 seconds)					
Test No.	Position	Ignition/Non Ignition	Duration of: (sec)			Smouldering and flaming criteria exceeded: (If any)
			Ignition Source	Flames	Smoke	
1	LHS	NI	15	17	31	-
2	M	NI	15	17	28	-
3	RHS	NI	15	17	28	-
<b>RESULT:</b>				<b>SMOULDERING CIGARETTE SOURCE</b>		<b>PASS</b>
				<b>MATCH FLAME IGNITION SOURCE</b>		<b>PASS</b>
KEY: I = Ignition, NI = Non Ignition, LHS = Left hand side, M = Middle, RHS = Right hand side						

Issue Number: 1

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This report relates only to the sample tested and does not guarantee the bulk of the material to be of equal quality

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**TEST CERTIFICATE****Test Results:-****BS7176:2007 + A1:2011 - Medium Hazard - Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites***"The following test results relate only to the ignitability of the combination 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."*

Sample Code	UK2000869 -2									
Sample Reference	Synergy & FR Treatment (Z)									
Client	Camira Fabrics									
Date of test	12/10/2020									
Pre-Treatment	BS 5852:2006 Annex E - Water soaking procedure Line Dried during day at ambient temperature									
Filling Type	Carpenter/RX36110 CMHR polyurethane foam of approximate density 36Kg/m3									
Size of test rig	Large: Back - 450 x 450 ± 2mm + Seat - 450 x 300 ± 2mm									
Test Conditions	Period h	Temperature °C	Relative humidity %	Air Flow m/s	Volume m <sup>3</sup>					
Conditioning of test specimens	≥16	23±2	50±5	-	-					
Testing conditions	-	10-30	15-80	0.02-0.2	≥6					
Testing Source	BS 5852:2006 Crib Ignition source 5									
Testing time limit	10 minutes after ignition of crib. Observed for 60 minutes in total.									
Test No.	Position	Ignition/N on Ignition	Duration of: (min.sec)		Extent of Damage to component: mm					
			Flames	Smoke	Horizontal			Vertical		
					Width	Length	Depth	Width	Depth	
1	M	NI	4.03	5.39	87	85	28	80	31	
2	M	NI	3.42	5.12	90	82	31	83	30	
<b>RESULT:</b>		<b>CRIB IGNITION SOURCE 5</b>					<b>PASS</b>			
KEY: I = Ignition, NI = Non Ignition, LHS = Left hand side, M = Middle, RHS = Right hand side										

Test No.	Time for: (sec)		
	Ignition of test pieces	Cover Splitting	Extinction
1	-	-	-
2	-	-	-

On behalf of Lancashire Testing Services :		
 Tony Alcock, Laboratory Technician:	 John Marsh, Laboratory Technician:	 Peter Collings, Operations Manager:

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**Issue Number: 1**



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# TEST CERTIFICATE

**Certificate Number: UK2000869-2**

If the measurement result plus/minus the expanded uncertainty with a 95 % coverage probability overlaps the limit, it is not possible to state compliance or non-compliance. The measurement result and the expanded uncertainty with a 95 % coverage probability will then be reported. The report will include the actual value with the uncertainty range.

Lancashire Testing Services Ltd have conducted thorough analysis of the uncertainty of all measurements carried out in the application of the standard or standards detailed in this report. Where possible any associated uncertainty of measurements have been accounted for in the working instructions, so that they have no impact on the reporting of the final result. In instances where uncertainty of measurements can only be taken into account after the test has been conducted, these uncertainty values have been stated on this report. The stated uncertainty of measurement has also been taken into account in the final reporting of the overall result.

**Issue Number: 0**

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LANCASHIRE BL 10NE  
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