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Test Certificate 102873				
Report Details				
Report Number 102873 - 1 Service Requested BS 7176: 2008+A1:2011 - Medium Hazard + Watersoak				
Date Received 08-N	Nov-22 Date Tested	14-Nov-22 Date Issued	14-Nov-22	
<b>Customer Details</b>				
Company Name	FLAMENTEK LIMITED			
Customer Contact	JANE GIRLING	Compa	ny Address	COMPASS HOUSE
Customer Ref/PO	21963			BUNWELL ROAD BESTHORPE
				NORFOLK
				NR17 2NZ
Customer Details - As S	upplied by the Custom	er		
Sample Description	ALLE - WOOLLEN WO FABRIC FLARE SOLUTI		A DURAFLAM	<sup>®</sup> FLAME RETARDANT FORMULATION BY
Fibre Composition	92% NEW WOOL WO	RSTED, 8% NYLON		
Quality/Batch Ref	ALLE			
Colour	VARIOUS			
Sample End Use	UPHOLSTERY			
Model Ref		I	Manufacturer	
		9	Supplier / Buy	er KVADRAT A/S

### Specification:

BS 7176:2007+A1:2011 – Specification for the resistance to ignition of upholstered furniture for non-domestic seating by testing composites. (Medium Hazard)

#### **Test Methods:**

BS EN 1021-1:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Part 1: Ignition source smouldering cigarette.

BS EN 1021-2:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Part 2: Ignition source match flame equivalent.

BS 5852:2006 Clause 11 Source 5 – Methods of test for the assessment of the ignitibility of upholstered seating by smouldering and flaming ignition sources

### **Pre-Treatment:**

The sample has been subjected to the water soaking procedure in accordance with Annex D of EN 1021:20065 and Annex E of BS 5852:2006 then line dried in ambient conditions.

### **Conditioning:**

The sample was conditioned for 72 hrs in ambient conditions then for at least 24 hrs in a specified atmosphere at 23 ± 2C and 50 ± 5% r h.

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### **Test Results**

The Following test results relate only to the ignitibility of the combination of the 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.

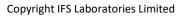
Test Type	1021-1	Test 1	Test 2
Filling Material Used:		GM33-35	GM33-35
*Cigarette ceased smouldering	within [mins]:	FTS	FTS
Progressive Smouldering	Criteria		
3.1A: Unsafe escalating combus	tion:		
3.1B: Smoulders to extremities:			
3.1C: Smoulders through thickn	ess:		
*3.1D: Smoulders for more than	n 1 hour:		
Evidence of melting / charing /	dripping:		
3.1E: Presence of active smould	lering on final examination:		
Flaming Criteria			
Cover Split			
Occurrence of flames:			

Test Result

PASS

PASS

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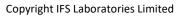


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## Test Certificate 102873

Test Type	1021-2	Test 1	Test 2	Test 3	
Filling Material Used:		GM33-35	GM33-35	GM33-35	
*Flaming Ceased: [Seconds]	:	0:00	0:00	0:00	
Progressive Smoulderi	ng Criteria				
3.1A: Unsafe escalating com	nbustion:				
3.1B: Smoulders to extremit	ties:				
3.1C: Smoulders through th	ickness:				
*3.1D: Smoulders for more	than 1 hour:				
Evidence of melting / charir	ng / dripping:				
Flaming Criteria					
Cover Split					
3.2A: Unsafe escalating com	nbustion:				
3.2B: Test assembly consum	ned:				
3.2C: Flaming to extremities	5:				
3.2D: Flaming through thick	iness:				
*Flaming continued for mor	re then 120 seconds:				
Test Result		PASS	PASS	PASS	

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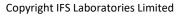
## Test Certificate 102873

## **Test Results**

The Following test results relate only to the ignitibility of the combination of the 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.

Test Criteria - BS 5852:2006 Source 5	Initial Test	Repeat Test	
*Smoundering Ceased Within: [mins]			
Progressive Smouldering Criteria			
Filling Material Used:	GM33-35		
4.1.1A: Displays unsafe escalating smouldering combustion, requires to be forcibly extinguished?			
4.1.1C: Any test specimen that smoulders until it is essentially consumed			
*4.1.1E: Detectable amounts of smoke, heat or glowing 60 mins after crib ignition?			
4.1.1F: On final inspection, any evidence of charring more than 100 mm in any direction (apart from upwards) from the original nearest position?			
Flaming Criteria			
*Flaming Ceased: [mm:ss]	3.04	3.09	
4.2.1A: Displays unsafe escalating flaming combustion, requires to be forcibly extinguished?			
4.2.1B: Any test specimen that burns until it is essentially consumed within the test duration and requires forcibly extinguishing			
4.2.1C: Flame front reaches the lower margin, either side or passes through the full thickness?			
*4.2.1E: Flaming continued for more than 10 minutes after the ignition of the crib?			
*4.2.1G: Any test specimen from which flaming debris causes an isolated floor fire that continues to flame for longer then 10 mins?			
Test Result	PASS	PASS	

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## **Test Certificate 102873**

## **Overall Result: PASS**

The sample supplied meets the test criteria of BS 7176:2007 + A1:2011 (Medium Hazard)

Authorised Signature:

Zeb Alam Operations Director

The uncertainty of measurement is taken into account when stating conformance to the specification. The test results are compared with the acceptance limits which are determined by reducing the specification limit by the expanded test uncertainty Uk=2 (approximately 95% confidence interval) and providing all measured values are within the tolerance limits then such results are declared as "Pass". The Uncertainty budgets are stated for each test method and should be considered when results are on or close to the acceptance limits, and in such cases it should be noted that the risk of false acceptance or false rejection is <2.5%. All test results issued on this report refer only to the item under test as supplied by the customer.

### **END OF REPORT**

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