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Our Ref: **TFFLF89505/TFFLF89775**

Date: 21 November 2019

Delivery Date: 21 October 2019

Test Dates: 23 October - 19 November 2019

SAMPLE(S) FOR TEST:

One, Fabric – Ref: ADLEY

Note: The above descriptions are as supplied by the client and have not been verified by FIRA who can take no responsibility for the accuracy of the description.

TEST REQUIREMENTS:

- BS EN 1021-1: 2006 (smouldering cigarette)
- BS EN 1021-2: 2006 (match flame equivalent)
- BS 5852: 2006 Clause 11, Ignition Source 5

RESULT:

- Pass - P 0
- Pass - P 1
- Pass - P 5

The material was subjected to the watersoak procedure as detailed in Annex D of BS EN 1021-1: 2006 & BS EN 1021-2: 2006 and Annex E of BS 5852: 2006 and then line dried at indoor ambient conditions.

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FIRA International
Registered office: 10 Lower Grosvenor Place,
London, UK, SW1W 0EN
Registered in England No: 3181481

TECHNICAL REPORT

DESCRIPTION

Enquiry No: TFFLF89505/TFFLF89775

Item: One, Fabric – Ref: ADLEY

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.

BS EN 1021-1: 2006: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 1 IGNITION SOURCE: SMOULDERING CIGARETTE

Initial Inspection: Condition as new.

Conditioning: ≥3 days at indoor ambient conditions and ≥24 hours at 23±2°C & 50±5% rh.

Test Procedure: The test is carried out in accordance with BS EN 1021-1 & 2:2006 using a specified rig as defined in Clause 6.1 in the above regulations.

Filling Material: A combustion modified high resilience foam 35kg/m3 Ref: CMHR35.

Test Conditions: The test was conducted within the specified conditions of 10-30°C & 15-80% rh.

RESULTS

Application No.	Ignition Source	Smoke/ Smoulder	Result Ignition/ Non-ignition
1	0	22min 36sec	PASS N/I
2	0	24min 49sec	PASS N/I

COMMENTS

CLAUSE	SMOULDERING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.1a	Unsafe escalating combustion	NO - PASS N/I
3.1b	Test assembly consumed	NO - PASS N/I
3.1c	Smoulders to extremities/ reaches either side or through full thickness of sample	NO - PASS N/I
3.1d	Smoulders more than 1 hour	NO - PASS N/I
3.1e	Damage >100mm's from source	NO - PASS N/I
CLAUSE	FLAMING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.2	Flaming occurs	NO - PASS N/I

CONCLUSION

This sample passes the requirements of BS EN 1021-1: 2006



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TECHNICAL REPORT

DESCRIPTION

Enquiry No. TFFLF89505/TFFLF89775

Item: One, Fabric – Ref: ADLEY

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.

BS EN 1021-2: 2006: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 2 IGNITION SOURCE: MATCH FLAME EQUIVALENT

Initial Inspection: Condition as new.

Conditioning: ≥3 days at indoor ambient conditions and ≥24 hours at 23±2°C & 50±5% rh.

Test Procedure: Test is carried out in accordance with BS EN 1021-2 & 2:2006 using a specified rig as defined in clause 6.1 in the above regulations.

Filling Material: Choose

Test Conditions: The test was conducted within the specified conditions of 10-30°C & 15-80% rh.

RESULTS

Application No.	Ignition Source	Time of Application	Flames Following Removal of Source	Result Ignition/ Non-Ignition
1	1	15sec	00min 11sec	PASS N/I
2	1	15sec	00min 11sec	PASS N/I
3	1	15sec	00min 11sec	PASS N/I

COMMENTS

CLAUSE	SMOULDERING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.1a	Unsafe escalating combustion	NO - PASS N/I
3.1b	Test assembly consumed	NO - PASS N/I
3.1c	Smoulders to extremities/ reaches either side or through full thickness of sample	NO - PASS N/I
3.1d	Smoulders more than 1 hour	NO - PASS N/I
3.1e	Damage >100mm's from source	NO - PASS N/I
CLAUSE	FLAMING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.2a	Unsafe escalating combustion	NO - PASS N/I
3.2b	Test assembly consumed	NO - PASS N/I
3.2c	Flames to extremities/ reaches either side or through full thickness of sample	NO - PASS N/I
3.2d	Flames continue beyond 120seconds	NO - PASS N/I

CONCLUSION

This sample passes the requirements of BS EN 1021-2: 2006



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Provided to be part of a statement

TECHNICAL REPORT

DESCRIPTION

Enquiry No. TFFLF89505/TFFLF89775

Item: One, Fabric Ref: ADLEY

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.

IGNITABILITY TEST ACCORDING TO BS 5852: 2006- METHODS OF TEST FOR ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED SEATING BY SMOULDERING AND FLAMING IGNITION SOURCES

Initial Inspection: Condition as new.

Conditioning: ≥ 3 days at indoor ambient conditions and ≥ 24 hours at $23 \pm 2^\circ\text{C}$ & $50 \pm 5\%$ rh.

Test Method: The test was performed using the specified rig (section 7.2 of the above standard). Using supplied cover and filling components to form a composite that is intended to be representative to the upper 75mm of the upholstered furniture when in final use. The test was conducted using Ignition Source 5.

Filling Material: A combustion modified high resilience foam 35kg/m³ Ref: CMHR35.

Test Conditions: The test was performed with the stipulated conditions $10^\circ\text{-}30^\circ\text{C}$ and 15%-80% relative humidity.

RESULTS

Source No.	Application No.	Flaming of Assembly	Smoke/ Smoulder	Ignition/ Non-ignition
5	1	5min 18sec	10min 00sec	PASS (N/I)
	2	6min 10sec	10min 00sec	PASS (N/I)

COMMENTS

CLAUSE	SMOULDERING FAIL CRITERIA	APP. 1	APP. 2
4.1.1a	Unsafe escalating smouldering	PASS (N/I)	PASS (N/I)
4.1.1c	Smoulders to extremities/ Reaches side of rig/ though full thickness	PASS (N/I)	PASS (N/I)
4.1.1e	Smouldering continued for >60mins from application of ignition source	PASS (N/I)	PASS (N/I)
4.1.1f	Evidence of charring within the filling >100mm horizontally from position of source	PASS (N/I)	PASS (N/I)
CLAUSE	FLAMING FAIL CRITERIA	APP. 1	APP. 2
4.2.1a	Unsafe escalating combustion	PASS (N/I)	PASS (N/I)
4.2.1b	Test specimen consumed during duration of the test	PASS (N/I)	PASS (N/I)
4.2.1c	Flames reach the extremities or penetrate the full thickness of the sample	PASS (N/I)	PASS (N/I)
4.2.1e	Flames >10min from application of ignition source	PASS (N/I)	PASS (N/I)

CONCLUSION

This sample Ref. ADLEY passes the requirements of BS 5852: 2006 Clause 11, Ignition Source 5.

Tested by: Vanessa Mitchell
Reported by: Barry Worrell
Approved by: Stephen Cotton
Technical Specialist - Flammability



***** End of Report *****



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