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Revolutionary Protective Solutions Limited
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Our Ref: **TFFLF91823**
Date: 13 March 2020
Delivery Date: 27 February 2020
Test Dates: 12 March 2020

For the attention of James Pound

SAMPLE(S) FOR TEST:

One, Fabric – Ref: Aqueous Guard BI0–TEX Protect

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

TEST REQUIREMENTS:

Schedule 4 Part I (based on BS 5852: 1979 Part 1)*
Schedule 5 Part I (based on BS 5852: 1979 Part 1)

RESULT:

Pass- P0
Pass- P1

The material was subjected to the water soak procedure and line dried as detailed in The Furniture and Furnishings (Fire) (Safety) Regulations 1988, amended 1989, 1993 and 2010.

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Technical report references marked * indicate this report is supplementary to the previous report with the same reference.

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*The test was carried out using commercially available cigarettes which deviate from the specifications stated in BS 5852: Part 1: 1979 as used for Schedule 4 of the Regulations. Although these cigarettes do not fully meet the specifications laid down in BS 5852: Part 1 this is regarded as having no significant effect on the test.



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FIRA International
Registered office: 10 Lower Grosvenor Place,
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Registered in England No: 3181481

TECHNICAL REPORT

DESCRIPTION

Enquiry No: TFFLF91823
Item: One, Fabric – Ref: Aqueous Guard BIO–TEX Protect
Supplied by: Revolutionary Protective Solutions Limited

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.

FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988 - AMENDED 1989, 1993 AND 2010 **SCHEDULE 5 PART 1 THE MATCH TEST (BASED ON BS 5852: 1979 PART 1)**

Initial Inspection: Condition as new.

Conditioning: ≥3 days at indoor ambient conditions and ≥16 hours at 20±5°C & 50±20% rh.

Test Procedure: As defined in Schedule 5 Part 1 of the above regulations using specified non fire-retardant polyurethane foam 20-22kg/m³.

Test Conditions: The test was conducted within the required conditions of 15-30°C & 20-70%rh.

RESULTS

Source No.	Application No.	Application Time	Flaming Time Following Removal of Source	Smoke/Smoulder	Result - Ignition/Non-Ignition
1	1	00min 20sec	00min 00sec	00min 18sec	PASS N/I
	2	00min 20sec	00min 00sec	00min 18sec	PASS N/I

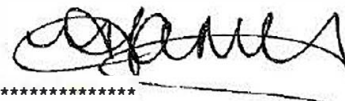
COMMENTS

SCHEDULE 5 PART 1 THE MATCH TEST BASED ON BS 5852: 1979 PART 1 THE MATCH TEST	APP 1.	APP 2.
After removal of the ignition source the cover fabric melted open to expose the underlying filling material. The cover and filling assembly immediately ignited. The rate of fire development was rapid and the test was terminated before the stipulated 120sec time period as it was unsafe to continue.	NO - PASS N/I	NO - PASS N/I
After removal of the ignition source the cover fabric ignited, flames spread across the surface of the cover, leaving behind an intact char. The cover continued to burn for greater than the stipulated 120sec time period.	NO - PASS N/I	NO - PASS N/I
After removal of the ignition source the cover ignited, the cover char split and the underlying filling material ignited, the cover and filling assembly continued to burn for greater than the stipulated 120sec time period.	NO - PASS N/I	NO - PASS N/I
All flames ceased within the permitted 120sec, the test assembly continued to smoulder for greater than the stipulated 15min time period.	NO - PASS N/I	NO - PASS N/I

CONCLUSION

This fabric sample Ref: Aqueous Guard BIO–TEX Protect, passes the test specified in Schedule 5 Part 1 of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 - Amended 1989, 1993 and 2010.

Tested by: Vanessa Mitchell
Reported by: Barry Worrell
Approved by: Howard James
Operations Manager- Testing


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



TECHNICAL REPORT

DESCRIPTION

Enquiry No: TFFLF91823

Item: One, Fabric – Ref: Aqueous Guard BIO–TEX Protect

Supplied by: Revolutionary Protective Solutions Limited

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.

FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988 - AMENDED 1989, 1993 AND 2010 **SCHEDULE 4 PART 1 MODIFICATION TO BS 5852: PART 1 THE CIGARETTE TEST**

Initial Inspection: Condition as new.

Conditioning: ≥3 days at indoor ambient conditions and ≥16 hours at 20±5°C & 50±20% rh.

Filling Material: A conventional urethane foam of nominal density 20-22kgm³ Ref: VP45, and an 85g thermally bonded polyester fibre wrap.

Test Procedure: As defined in Schedule 4 Part 1 of the above regulations.

Test Conditions: The test was conducted within the required conditions of 15-30°C & 20-70%rh.

RESULTS

Source No.	Application No.	Smoke/ Smoulder	Result - Ignition/ Non-Ignition
0	1	15min 37sec	PASS N/I
	2	15min 56sec	PASS N/I

COMMENTS

SCHEDULE 4 PART 1 MODIFICATION TO BS 5852: PART 1 THE CIGARETTE TEST	APP 1.	APP 2.
Both cigarettes were fully consumed within the stipulated 1 hour time period, however the cover and filling assembly continued to smoulder for greater than the stipulated 60min time period.	NO - PASS N/I	NO - PASS N/I
Progressive smouldering was established, the rate of smoulder was rapid, and the test was terminated before the stipulated time period.	NO - PASS N/I	NO - PASS N/I
Flames occurred though progressive smouldering, therefore the test was terminated before the stipulated 60min time period as it was deemed unsafe to continue.	NO - PASS N/I	NO - PASS N/I

CONCLUSION

This fabric sample Ref: Aqueous Guard BIO–TEX Protect, passes the test specified in Schedule 4 Part 1 of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 - Amended 1989, 1993 and 2010.

