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**Modelli Fabrics**  
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Our Ref: **TFFLF89389C**  
Date: 17 October 2019  
Delivery Date: 01 October 2019  
Test Dates: 14-16 October 2019

For the attention of Tim Kennedy

## SAMPLE(S) FOR TEST:

One, Fabric – Ref: Adagio

*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  
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Registered in England No: 3181481

# TECHNICAL REPORT

## DESCRIPTION

Enquiry No: TFFLF89389

Item: One, Fabric – Ref: Adagio

Supplied by: Modelli Fabrics

*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 20-22kgm<sup>3</sup> 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 45sec     | PASS N/I                        |
|            | 2               | 18min 14sec     | 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. | PASS N/I | PASS N/I |
| Progressive smouldering was established, the rate of smoulder was rapid, and the test was terminated before the stipulated time period.   | PASS N/I | 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.                                | PASS N/I | PASS N/I |

## **CONCLUSION**

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



# TECHNICAL REPORT

## DESCRIPTION

Enquiry No: TFFLF89389

Item: One, Fabric – Ref: Adagio

Supplied by: Modelli Fabrics

*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/m<sup>3</sup>.

**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 11sec    | PASS N/I                       |
|            | 2               | 00min 20sec      | 00min 00sec                              | 00min 11sec    | PASS N/I                       |

## **COMMENTS**

| <b>SCHEDULE 5 PART 1 THE MATCH TEST BASED ON BS 5852:<br/>1979 PART 1 THE MATCH TEST</b>   | <b>APP 1.</b> | <b>APP 2.</b> |
|--|---------------|---------------|
| 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. | PASS N/I      | 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.   | PASS N/I      | 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.   | PASS N/I      | PASS N/I      |
| All flames ceased within the permitted 120sec, the test assembly continued to smoulder for greater than the stipulated 15min time period.  | PASS N/I      | PASS N/I      |

## **CONCLUSION**

This fabric sample Ref: Adagio, 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: Luis Mitchell

Approved by: Nathaly Da Silva  
Senior Technician

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

