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## Spectrum Contract Vinyls Ltd

Venture House  
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Our Ref: **FL- 84300-S1**

Date: 20 September 2024

Delivery Date: 04 September 2024

Test Dates: 05 - 19 September 2024

For the attention of Rob Baggs

## SAMPLE(S) FOR TEST:

One, Composite – Ref: Wood Violet

*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:

BS 5852: 2006, Clause 11 Ignition Source 5

## RESULT:

Pass - P 5

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When a statement of conformity to a test standard is reported the test result(s) are unlikely to be the "true" result(s) due to measurement uncertainty. When the sample is tested under the criteria and conditions as defined in the method and the measured result is outside of the upper/lower acceptance limit and corrected for uncertainty at 95% probability, the risk of a false accept/reject is  $\leq 2.5\%$ . These results will be reported as Pass/Fail. If the test result(s) obtained under the same conditions is close to the upper/lower acceptance limit and could be either side of the accept/reject threshold these results will be reported as Fail"



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# TECHNICAL REPORT

## DESCRIPTION

Enquiry No. FL-84300-S1

Item: One, Composite Ref: Wood Violet

Supplied by: Spectrum Contract Vinyls Ltd

*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±2°C & 50±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°-30°c and 15%-80% relative humidity.

## RESULTS

Source No.	Application No.	Flaming of Assembly	Smoke/ Smoulder	Ignition/ Non-Ignition
5	1	5min 07sec	10min 00sec	PASS (N/I)
	2	4min 06sec	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. Wood Violet Choose the requirements of BS 5852: 2006 Clause 11, Ignition Source 5.

Approved by:

Luis Mitchell  
Senior Technician - Flammability

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



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