TECHNICAL REPORT

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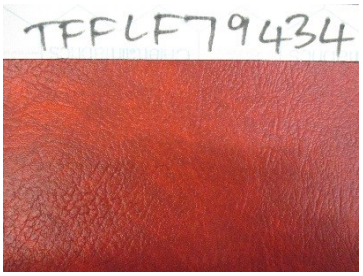
Chieftain Fabrics	Our Ref:	**TFFLF** 79434
Trim	Date:	12 April 2018
Co. Meath	Delivery Date:	29 March 2018
Ireland	Test Dates:	10- 12 April 2018

For the attention of Sinead Doyle

SAMPLE(S) FOR TEST:

One, Composite – Ref: 5133132, Chieftain



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:	**RESULT:**
BS 5852: 2006, Clause 11 Ignition Source 5	Pass - P 5

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DESCRIPTION

Enquiry No. TFFLF79434

Item: One, Composite Sample Ref: Ref

Supplied by: Chieftain 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.

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 Conditions: The test was performed with the stipulated conditions 10°-30°c and 15%-80% relative humidity.

Filling Material: A combustion modified high resilience foam 35kg/m^3 Ref: CMHR35.

Test Method: The test was performed using the specified rig (section 7.2 of the above standard). Using supplied cover and foam 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.

RESULTS

Source No.	Application No.	Flaming of Assembly	Smoke/ Smoulder	Ignition/ Non-Ignition
5	1	3min 48sec	8min 52sec	PASS N/I
	2	3min 57sec	9min 53sec	PASS N/I

COMMENTS

CLAUSE	SMOULDERING FAIL CRITERIA	APP 1	APP 2
4.1.1a	Unsafe escalating smouldering	NO - PASS N/I	NO - PASS N/I
4.1.1c	Smoulders to extremities - reaches either side/ through thickness or essentially consumes test specimen	NO - PASS N/I	NO - PASS N/I
4.1.1e	Smouldering continued for >60mins from application of ignition source	NO - PASS N/I	NO - PASS N/I
4.1.1f	Evidence of charring within the filling >100mm in a horizontal direction from original position of ignition source	NO - PASS N/I	NO - PASS N/I
CLAUSE	**FLAMING FAIL CRITERIA**	**APP 1**	**APP 2**
4.2.1a	Unsafe escalating combustion	NO - PASS N/I	NO - PASS N/I
4.2.1b	Test specimen consumed during duration of the test	NO - PASS N/I	NO - PASS N/I
4.2.1b	Flames reach the extremities or penetrate the full thickness of the sample	NO - PASS N/I	NO - PASS N/I
4.2.1e	Flames >10min from application of ignition source	NO - PASS N/I	NO - PASS N/I

CONCLUSION

This sample passes the requirements of BS 5852: 2006 Clause 11, Ignition Source 5.when tested in combination with a combustion modified high resilience foam 35kg/m^3 Ref: CMHR35.

Tested by: Barry Worrell
Reported by: Sarah Goodwin

Approved by: Laura Gallop
Senior Technician - Flammability

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