

## FLAMMABILITY TEST REPORT

**Report No.:** LEI19050229A    **Date Received:** 01/05/19    **Date Tested:** 13/05/19    **Date Issued:** 13/05/19

**Company Name & Address:** BUTE FABRICS LTD  
4 BARONE ROAD  
ROTHESAY  
ISLE OF BUTE  
PA20 ODP

**Contact Name:** M A SPEIRS

**Sample Details**

Order No.: 3217  
Description: Woven Fabric  
Ref. / Style No.: CF1117  
Colour: Red  
Quality: Mason  
Supplier: Bute Fabrics  
Batch No.: Not stated  
End Use: Upholstery  
Quoted Fibre Composition: 76% Wool, 21% Nylon, 3% Other  
Retailer: Not stated  
Sample Description: Red and black coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	Watersoak as Annex E of BS 5852: 2006	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	<b>NI/5 (PASS)</b>

**Note:** The customer requested that RX36110 foam with an approximate density of 35 kg/m<sup>3</sup> be used as the filling material



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(Technical & Operational  
Excellence Manager)

.....  
**ANDREW HALLETT**  
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**CAROLE SPOWART**  
(Flammability  
Administrator)

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**GREGORY JAMES**  
(Flammability Technician)

## FLAMMABILITY TEST REPORT

**Test Specification**

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

**Foam specification**

Supplier / Grade: Carpenter / RX36110 (As requested by the customer)  
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)  
Density / Hardness: 34-36kg/m<sup>3</sup> /105-115N

**Conditioning**

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 24 hours in an atmosphere having a temperature of 23 ± 2°C and a relative humidity of 50 ± 5%

At Time of Testing: Temperature of 10 °C to 30 °C and a relative humidity of 15 % to 80 %

**Test Results**

*“The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use”;*

Test number / position	1	2
<b>Criterion of Ignition</b>		
<b>Smouldering Criteria</b>		
Externally detectable amounts of smoke, heat or glowing 60 minutes after crib ignition	No	No
Escalating smouldering behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Smouldering essentially consumed the test specimen within the duration of the test / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
<b>Flaming Failure</b>		
The test specimen continued to flame for more than 10 minutes after the ignition of the crib	No	No
Escalating combustion behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Flaming essentially consumed the test specimen within the duration of the test	No	No
Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib	No	No
<b>Final Examination</b>		
Progressive smouldering was observed when the sample was dismantled	No	No
Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source	No	No
Time to extinction of flames after crib ignition	5 Minutes 32 Seconds	5 Minutes 05 Seconds
Time to extinction of glowing after crib ignition	8 Minutes 13 Seconds	8 Minutes 32 Seconds
Time to extinction of smoke after crib ignition	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased
Maximum extent of damage to back (mm) Length / Width	400   86	400   84
Maximum extent of damage to base (mm) Length / Width	73   92	65   93
<b>Test Result</b>	<b>NI/5 (PASS)</b>	<b>NI/5 (PASS)</b>
<b>Ignitability performance index: “Clause 11 - NI/5”</b>		

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