Textiles and Apparel Solutions Centre
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FLAMMABILITY TEST REPORT

Report No.: LEI17042306A **Date Received:** 10/04/17 **Date Tested:** 18/04/17 **Date Issued:** 19/04/17

Company Name & Address: **VEROTEX INDUSTRIES BV**
EDISONWEG 3
5466 AR VEGHEL
NETHERLANDS

Contact Name:

Sample Details

Order No.:	Not stated
Reference No.:	Not stated
Style No.:	Not stated
Batch No.:	Not stated
Quality:	XFR-Jacadi
Colour:	Not stated
Supplier:	Verotex Industries
Intended Use:	Not stated
Quoted Fibre Composition:	100% Polyester inherent FR + crib 5 finish
Retailer:	Not stated
Buying Division:	Not stated
Sample Description:	Blue, beige and pink 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	NI/5 (PASS)

Note: The customer requested that RX36110 foam with an approximate density 35 kg/m^3 be used as the filling material

STEVEN OWEN	ANDREW HALLETT	CAROLE SPOWART	SIMON CHEE
~~(Chemical Technologist)~~	(Flammability Team Leader)	~~(Flammability Technician)~~	~~(Operations Manager)~~

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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^3 /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	
Criterion of Ignition				
Smouldering Criteria				
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	
Flaming Failure				
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	
Final Examination				
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	4 Minutes 06 Seconds		4 Minutes 14 Seconds	
Time to extinction of glowing after crib ignition	Due to the position of the crib within the test specimen it was not possible to see when glowing ceased		Due to the position of the crib within the test specimen it was not possible to see when glowing ceased	
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	109	400	117
Maximum extent of damage to base (mm) Length / Width	74	103	82	109
Test Result	**NI/5 (PASS)**		**NI/5 (PASS)**	
Ignitability performance index: "Clause 11 - NI/5"				

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