

FLAMMABILITY TEST REPORT

Report No.: LEI19050302A Date Received: 26/04/19 Date Tested: 10/05/19 Date Issued: 10/05/19

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

Contact Name:

Sample Details:

Order No.: Not stated
Description: Not stated
Ref/Style No.: Not stated
Colour: Not stated
Quality: XFR - Lupine
Supplier: Not stated
Batch No.: Not stated
End Use: Not stated
Quoted Fibre Composition: Not stated
Retailer: Not stated
Specification No.: Not stated
Sample Description: Grey and white coloured woven fabric with white coloured backing

Table with 4 columns: Test Method, Pre Treatment, Requirement, Result. Row 1: BS 5852: 2006 Clause 11 (Upholstery Composite) Ignition source 5 (Crib 5), Watersoak as Annex E of BS 5852: 2006, BS 5852: 2006 Clause 11 (Upholstery Composite) Ignition source 5 (Crib 5), NI/5 (PASS). Row 2: The upholstered composite tested meets the performance requirements for resistance to ignition as detailed in the Medium Hazard (Crib 5 only) category of Table 1 in Clause 4 of BS 7176: 2007.

Note: The customer requested that RX36110 foam with an approximate density 35 kg/m³ be used as the filling material

Sampling and frequency of testing
Each upholstery composite shall be tested in accordance with the relevant tests identified in Table 1 for the appropriate hazard category every 2,500 units produced or once per month. Retesting shall be carried out where there is any major basic alteration to a furniture specification (e.g. of fibre content, construction, flame-retardant finish or mass per unit area of fabric, density or type of filling or change of materials manufacturer). Changes in the colour (where the fabric was flame-retardant finished in the same batch) of the product or minor changes in the pattern or construction, e.g. of the order of 2 picks/cm, shall not be deemed sufficient reason to necessitate retesting.

STEVEN OWEN (Technical & Operational Excellence Manager)
ANDREW HALLETT (Flammability Team Leader)
CAROLE SPOWART (Flammability Administrator)
GREGORY JAMES (Flammability Technician)

### 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  $23 \pm 2^\circ\text{C}$  and a relative humidity of  $50 \pm 5\%$

**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	6 Minutes 28 Seconds	6 Minutes 25 Seconds
Time to extinction of glowing after crib ignition	7 Minutes 05 Seconds	6 Minutes 40 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	400 119	400 147
Maximum extent of damage to base (mm) Length / Width	85 122	87 150
<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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