

## FLAMMABILITY TEST REPORT

Report No.: LEI19050295A    Date Received: 26/04/19    Date Tested: 10/05/19    Date Issued: 13/05/19

**Company Name & Address:** VEROTEX INDUSTRIES BV  
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 Lipova  
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: White and grey coloured woven fabric with white coloured backing

| Test Method   | Pre Treatment                            | Requirement  | Result      |
|---|--|--|-------------|
| BS 5852: 2006<br>Clause 11 (Upholstery Composite)<br>Ignition source 5 (Crib 5)   | Watersoak as Annex E of<br>BS 5852: 2006 | BS 5852: 2006<br>Clause 11 (Upholstery<br>Composite)<br>Ignition source 5 (Crib 5) | NI/5 (PASS) |
| 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/m<sup>3</sup> 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.



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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<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 14 Seconds  | 5 Minutes 48 Seconds  |
| Time to extinction of glowing after crib ignition  | 9 Minutes 42 Seconds  | 8 Minutes 36 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 / 117   | 400 / 126   |
| Maximum extent of damage to base (mm) Length / Width   | 93 / 132  | 85 / 127  |
| <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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