

FLAMMABILITY TEST REPORT

Report No: Redacted Date Received: 04/11/11 Date Tested: 11/11/11 Date Issued: 11/11/11

Company Name & Address: Redacted

Contact Name: DR. LISA McQUILLAN

Sample Details

Production Identification: EO Classic Wedge. Project Trap/Cube/Colourpanel
Order no: Redacted
Sample description: 4 Blocks of Polyurethane foam

Test Method	Pre Treatment	Flammability Performance Requirements	Result
BS 5852: Part 2: 1982, Ignition source 5 (Crib 5).	None	As Schedule 1 Part 1 (Ignition test for polyurethane foam in slab or cushion form) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	PASS

			
STEVEN OWEN (Chemical Technologist)	CAROLE SPOWART (Flammability Technician)	ANDREW WHITE (Quality Manager)	SIMON CHEE (Analytical Lab Manager)

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Filling Specification

Filling type: Polvurethane foam
 Density / Hardness: Not stated / Not stated
 Cover fabric: Standard test fabric as detailed in Schedule 1 Part 1 of The Furniture (Fire) (Safety) Regulations 1988 (as amended).

Conditioning

Prior to testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 20+5°C and a relative humidity of 50+20%
 At time of testing: Temperature between 15°C & 30°C. Relative humidity between 20% & 70%

Test Results

"The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test: they are not intended as a means of assessing the fully potential fire hazard of the materials in use."

Pass / Fail Criteria	Initial test	Repeat test
<u>Progressive smouldering failure</u>		
Externally detectable amounts of smoke, heat or glowing 60 min 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	No	No
<u>Flaming failure</u>		
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
<u>Final examination</u>		
Progressive smouldering was observed when the sample was dismantled	No	No
<u>Comments</u>		
Time to extinction of flames after crib ignition	2 minutes 49 seconds	2 minutes 54 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	400 152	400 149
Maximum extent of damage to base (mm) Length / Width	106 161	98 158
The resultant mass loss exceeded 60g	No (33g)	No (32g)
Test Result	Pass	Pass

Conclusions

The sample tested meets the requirements of Schedule 1 Part 1 (Ignition test for polyurethane foam in slab or cushion form) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS**