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Your notice of	Your reference	Date
16-04-2015	18219	04-05-2015

Analysis Report 15.01892.01

Required tests :

California Technical Bulletin 117 ASTM E1353-08a (2013) (2013)	section 1 : cover fabric test
DIN 4102-1B2 (1998)	Burning behaviour - B2
EN 1021-1 (2014)	Furniture - Assessment of the ignitability of upholstered furniture - Ignition source : smouldering cigarette
EN 1021-2 (2014)	Furniture - Assessment of the ignitability of upholstered furniture – Ignition source : match flame equivalent
UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324	The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 4 part I – The cigarette test - BS 5852 part 1 (1979)
UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324	The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 5 part I – The match test - BS 5852 part 1 (1979)

Identification number	Information given by the client	Date of receipt
T1507215	Drop ZZ904 946-082-952-001	16-04-2015

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Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples. In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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Reference: T1507215 - Drop ZZ904 946-082-952-001

Section 1 : cover fabric test

Date of ending the test 30-04-2015
 Standard used ASTM E1353-08a (2013)
 Product standard California Technical Bulletin 117 (2013)
 Deviation from the standard -
 Conditioning 23°C, relative humidity 50%
 Filling T 30130 (Recticel) - non-fire retardant foam
 Cover Sheeting Material Composition 100 % cotton - laundered weight (125 ± 28) g/m²

	1	2	3
Open flaming	no	no	no
Smoulders more than 45 min.	no	no	no
Vertical char length > 45 mm	no	no	no

Test criteria

- no open flaming
- smouldering ≤ 45 minutes
- vertical char ≤ 45 mm

Requirements

- all specimens meet the test criteria → PASS
- two or more specimens fail the test criteria → FAIL
- one specimen fails the test criteria → 3 additional tests → PASS
 all specimens meet the test criteria

Conclusion Pass

Reference: T1507215 - Drop ZZ904 946-082-952-001

Burning behaviour - B2

Date of ending the test 24-04-2015
 Standard used DIN 4102-1B2 (1998)
 Deviation from the standard -
 Conditioning 23°C, relative humidity 50%
 Ignition Surface - flame application: front side

Length

	1	2	3	4	5
Time to reach 150 mm mark (s) °	*	*	*	*	*
Ignition filter paper within 20 s after flame application	no	no	no	no	no

° tip of the flame

* = time to reach the mark > 20 s or mark not reached

Width

	1	2	3	4	5
Time to reach 150 mm mark (s) °	*	*	*	*	*
Ignition filter paper within 20 s after flame application	no	no	no	no	no

° tip of the flame

* = time to reach the mark > 20 s or mark not reached

Criteria

- time to reach the mark > 20 s for all test specimens

Conclusion B2

Reference: T1507215 - Drop ZZ904 946-082-952-001

Furniture - Assessment of the ignitability of upholstered furniture - Ignition source : smouldering cigarette

Date of ending the test 28-04-2015
 Standard used EN 1021-1 (2014)
 Deviation from the standard -
 Conditioning 23°C, relative humidity 50%

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

Water soaking of the cover No
 Filling T 23140 (Recticel) * - non-fire retardant foam - ± 22 kg/m³

* The filling complies with the requirements as indicated in schedule 5 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
	non-ignition	non-ignition

Conclusion Non-ignition

Reference: T1507215 - Drop ZZ904 946-082-952-001

Furniture - Assessment of the ignitability of upholstered furniture – Ignition source : match flame equivalent

Date of ending the test 28-04-2015
 Standard used EN 1021-2 (2014)
 Deviation from the standard -
 Conditioning 23°C, relative humidity 50%

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

Water soaking of the cover No
 Filling T 23140 (Recticel) - non-fire retardant foam - ± 22 kg/m³
 Flame application time (s) 15

	1	2	3
Smouldering criteria			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Smoulders to extremities	no	no	no
Smoulders through thickness	no	no	no
Smoke/heat/glowing more than 60 min	no	no	no
Final examination / active smouldering	no	no	no
Flaming criteria			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Flames to extremities	no	no	no
Flames through thickness	no	no	no
Flaming > 120 s	no	no	no
Afterflame time (s)	0	0	0
	non-ignition	non-ignition	non-ignition

Conclusion Non-ignition

Reference: T1507215 - Drop ZZ904 946-082-952-001

The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 4 part I – The cigarette test - BS 5852 part 1 (1979)

Date of ending the test 28-04-2015
 Standard used UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324
 Deviation from the standard -
 Conditioning 23°C, relative humidity 50%

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

Water soaking of the cover No
 Filling T 23140 (Recticel) * - non-fire retardant foam - ± 22 kg/m³

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	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Occurrence of flames	no	no
	non-ignition	non-ignition

Conclusion Non-ignition

Reference: T1507215 - Drop ZZ904 946-082-952-001

The Furniture and Furnishings (Fire) (Safety) regulations : 1988 No. 1324 - Schedule 5 part I – The match test - BS 5852 part 1 (1979)

Date of ending the test 28-04-2015
Standard used UK Furniture and Furnishings (Fire) (Safety) regulations (1988) No. 1324

Deviation from the standard -

Conditioning 23°C, relative humidity 50%

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

Water soaking of the cover No
Filling T 23140 (Recticel) * - non-fire retardant foam - ± 22 kg/m³

* The filling complies with the requirements as indicated in schedule 5 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

Flame application time (s) 20

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke/heat/glowing more than 15 min	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flaming > 120 s	no	no
Afterflame time (s)	0	0
	non-ignition	non-ignition

Conclusion Non-ignition