

FLAMMABILITY TEST REPORT

Report Ref: 286147A/04 **Date Received :** 24/09/04 **Date Tested:** 28/09/04 **Date Issued:** 09/02/05
Amended

Company Name & Address: TEXCHEM U.K. LIMITED
 HOLMES MILL,
 HOLMES STREET,
 ROCHDALE.
 OL12 6AQ
 UNITED KINGDOM


Contact Name: WAYNE AARON

Fabric Details

Order no.: H&C Whitehead
Style no.: Stripe ticking
Quality: Oxford
Lot no.: ASH / 08 / 04.
Wip no.: Texfin TNDI
Colour(s) : Cream / blue stripe
Supplier: www.mumbaiuk.com
End use: Mattress ticking
Fibre composition: 100% Cotton
Fabric type: Woven
Sample description: 1 piece of cream / blue coloured woven stripe fabric with a flame retardant finish

Test Method	Pre Treatment	Result
BS EN 597-1:1995 (Smouldering Cigarette)	None	Complies
BS EN 597-2: 1995 (Match Flame Equivalent)	None	Complies
BS 6807: 1996 Section 2 (Ignition source 5)	None	Complies
BS 7177: 1996 Medium Hazard	None	Complies

Please note: The ticking fabric was tested as a composite over a combustion modified foam block (CMHR 35) at the request of the customer. The results of this test are only intended to provide an indication to the flammability performance of the fabric. To gain full compliance with this standard the test specimen should be representative of the components and make-up of the finished mattress, mattress pad or upholstered bed base.



KRISTIAN LEE
 (Flammability Technician)

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STEVEN LINDLEY
 (Flammability Technician)

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SIMON CHEE
 (Area Leader)

.....
ANDREW WHITE
 (Quality Manager)

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Test Specification

Test method BS EN 597-1: 1995, BS EN 597-2: 1995 and BS 6807: 1996 Section 2 (Ignition source 5) as required by BS 7177: 1996 Medium Hazard

Criterion of ignition: BS EN 597-1: 1995: Calibrated Senior Service cigarette.
BS EN 597-2: 1995: Butane Gas flowing at 45±2ml/min @ 25°C for 15±1 seconds
BS 6807: 1996 Source 5: Pine wood crib size 5

Filling Specification (as requested by the customer)

Filling type: Polyurethane foam
Supplier / grade: Vitafoam / CMHR 35 (As requested by the customer)
Size: 450 x 450 x 75mm
Density / Hardness: 35 kg/m³ / 90-120

Pre-treatment / Durability procedure

None

Conditioning

Prior to testing: At least 16 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%

At time of testing: Temperature between 15°C & 30°C. Relative humidity between 15% & 80%

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Test Results

BS EN 597-1: 1995 Smouldering cigarette

Test Number	1		2	
Criterion of ignition				
Smouldering Criteria				
Unsafe escalating combustion	No		No	
Test assembly consumed	No		No	
Smoulders through thickness	No		No	
Smoulders more than 1 hour	No		No	
More than 50mm from source	No		No	
Flaming criteria				
Occurrence of flames	No		No	
Comments				
Flaming ceased	-	-	-	-
Smoke ceased	15 Minutes	9 Seconds	15 Minutes	43 Seconds
*Glow ceased	-	-	-	-
Extent of damage	Length 68mm	Width 13mm	Length 68mm	Width 12mm
Result (Ignition/Non Ignition)	Non Ignition		Non Ignition	
<p><i>The above test results relate only to the ignitability of the combination of the materials under the particular conditions of test: they are not intended as a means of assessing the full potential fire hazard of the mattress, mattress pad or upholstered bed base in use.</i></p> <p>*Note: No glowing of the ticking fabric was observed</p>				

BS EN 597-2 Match flame equivalent

Test Number	1		2	
Criterion of ignition				
Smouldering Criteria				
Unsafe escalating combustion	No		No	
Test assembly consumed	No		No	
Smoulders through thickness	No		No	
Smoulders more than 1 hour	No		No	
More than 50mm from source	No		No	
Flaming criteria				
Test assembly consumed	No		No	
Unsafe escalating combustion	No		No	
Burning through thickness or to the extremities	No		No	
Flaming for more than 120 seconds	No		No	
Comments				
Flaming ceased	0 Minutes	0 Seconds	0 Minutes	0 Seconds
Smoke ceased	0 Minutes	6 Seconds	0 Minutes	8 Seconds
*Glow ceased	-	-	-	-
Extent of damage	Length 17mm	Width 10mm	Length 14mm	Width 9mm
Result (Ignition/Non Ignition)	Non Ignition		Non Ignition	
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Test Results

Ignition source 5 placed at position 5T (on top of the specimen)

Test Number	1		2	
Criterion of ignition				
Smouldering Criteria				
Unsafe escalating combustion	No		No	
Test assembly consumed	No		No	
Smoulders through thickness	No		No	
Smoulders more than 1 hour	No		No	
More than 100mm from source	No		No	
Flaming criteria				
Test assembly consumed	No		No	
Burning through thickness or to the extremities	No		No	
Flaming for more than 10 minutes	No		No	
Flaming debris causing isolated floor fire	No		No	
Comments				
Flaming ceased	3 Minutes	1 Second	3 Minutes	10 Seconds
Smoke ceased	7 Minutes	36 Seconds	6 Minutes	55 Seconds
*Crib glowing ceased	7 Minutes	50 Seconds	7 Minutes	45 Seconds
Extent of damage	Length 134mm	Width 102mm	Length 164mm	Width 102mm
Result (Ignition/Non Ignition)	Non Ignition		Non Ignition	

Ignition source 5 placed at position 5B (below the specimen)

Test Number	1		2	
Criterion of ignition				
Smouldering Criteria				
Unsafe escalating combustion	No		No	
Test assembly consumed	No		No	
Smoulders through thickness	No		No	
Smoulders more than 1 hour	No		No	
More than 100mm from source	No		No	
Flaming criteria				
Test assembly consumed	No		No	
Burning through thickness or to the extremities	No		No	
Flaming for more than 10 minutes	No		No	
Flaming debris causing isolated floor fire	No		No	
Comments				
Flaming ceased	3 Minutes	12 Seconds	3 Minutes	35 Seconds
Smoke ceased	*See note below	*See note below	*See note below	*See note below
*Crib glowing ceased	8 Minutes	14 Seconds	7 Minutes	45 Seconds
Extent of damage	Length 236mm	Width 125mm	Length 231mm	Width 125mm
Result (Ignition/Non Ignition)	Non Ignition		Non Ignition	

The above test results relate only to the ignitability of the combination of the materials under the particular conditions of test: they are not intended as a means of assessing the full potential fire hazard of the mattress, mattress pad or upholstered bed base in use.

***Note: No glowing of the ticking fabric was observed, the afterglow results given are for glowing of the crib**

***Note:** Due to the amount of smoke in the test enclosure it was not possible to see when smoke ceased.

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Conclusions

When tested with the modifications as detailed on page 1 of this test report the sample meets the requirements of BS EN 597-1:1995 (Smouldering cigarette) **PASS.**

When tested with the modifications as detailed on page 1 of this test report the sample meets the requirements of BS EN 597-2:1995 (Match Equivalent). **PASS.**

When tested with the modifications as detailed on page 1 of this test report the sample meets the requirements of BS 6807: 1996 Section 2 Ignition source 5 at both position 5T (on top of the specimen) and position 5B (below the specimen). **PASS.**

When tested with the modifications as detailed on page 1 of this test report the sample meets the requirements of BS 7177: 1996 Medium Hazard. **PASS**

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INVESTOR IN PEOPLE

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