

FLAMMABILITY TEST REPORT

Report Ref: 298640/05 **Date Received :** 11/01/05 **Date Tested:** 12/01/05 **Date Issued:** 13/01/05

Company Name & Address: ORIGINAL FABRICS
 MANOR MILL
 HALLAM ROAD
 NELSON
 LANCASHIRE
 BB9 8DN

Contact Name: JOANNA BROCKBANK

Fabric Details

Order no.: Not stated
 Style no.: Shaftesbury
 Quality: 100% Cotton
 Batch no.: Sort No.: 9210
 Colour(s) : Cream / blue stripe
 Fabric width: 82"
 End use: Mattress ticking
 Fibre composition: 100% Cotton
 Fabric type: Woven
 Sample description: 1 piece of cream / blue / red coloured woven fabric with a flame retardant finish

Test Method	Pre Treatment	Result
BS 6807: 1996 Section 2 (Ignition source 5)	None	Complies
BS 7177: 1996 Medium Hazard (Crib 5 only)	None	Complies

Please note: The ticking fabric was tested as a composite over a combustion modified foam block (CMHR 35). 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.

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 KRISTIAN LEE
 (Flammability Technician)

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 STEVEN LINDLEY
 (Flammability Technician)

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 SIMON CHEE
 (Area Leader)

.....
 ANDREW WHITE
 (Quality Manager)



INVESTOR IN PEOPLE

Fastech International Ltd
 Division of Intertek Testing Services (Leicester) Ltd
 The Warehouse, Brewery Lane, Leigh, Lancashire WN7 2RJ
 Tel: +44 (0)1942 265700 / 261849 Fax: +44 (0)1942 670788
 Email: enquiry@fastech-testing.co.uk labtest.uk@intertek.co.uk
 Web: www.fastech-testing.co.uk www.intertek-labtest.com



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Test Specification

Test method BS 6807: 1996 Section 2 (Ignition source 5) as required by BS 7177: 1996 Medium Hazard (Crib 5 only)
Criterion of ignition: BS 6807: 1996 Source 5: Pine wood crib size 5

Filling Specification

Filling type: Polyurethane foam
Supplier / grade: Vitafoam / CMHR 35
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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Tel: +44 (0)1942 265700 / 261849 Fax: +44 (0)1942 670788
Email: enquiry@fastech-testing.co.uk labtest.uk@intertek.co.uk
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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	2 Seconds	3 Minutes	6 Seconds
Crib glowing ceased	8 Minutes	40 Seconds	7 Minutes	51 Seconds
Smoke ceased	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.	
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	4 Minutes	9 Seconds	3 Minutes	48 Seconds
Crib glowing ceased	7 Minutes	51 Seconds	7 Minutes	35 Seconds
Smoke ceased	8 Minutes	1 Second	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased.	
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.



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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 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 (Crib 5 only). **PASS.**



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