

# TEST CERTIFICATE

DATE SUBMITTED: 27-JANUARY-2005  
DATE ISSUED: 31-JANUARY-2005  
REPORT NO: 5609  
COMPANY ORDER NUMBER: 11570

CUSTOMER CONTACT NAME: JOANNA BROCKBANK  
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COMPANY: ORIGINAL FABRICS LIMITED  
MANOR MILL  
HALLAM ROAD  
NELSON  
LANCASHIRE  
BB9 8DN

## CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION: 100% Cotton  
SAMPLE QUALITY / COLOUR: Toledo Stripe  
SAMPLE DESCRIPTION: Woven Cotton FR Fabric  
FABRIC REFERENCE: 11570  
FABRIC SUPPLIER: Not Stated

## FIRE TEST REQUESTED:

(Confidential Report)

BS 7177: 1996 Medium Hazard: Specification for Resistance to ignition of mattresses, divans and bed bases.

Please Note: Tested in accordance with BS 6807: 1996 Section 2 Source 5 only (wooden crib).

## CONDITIONING PRIOR TO TESTING:

The sample was conditioned before the test for @ least 16 h at 23 +/- 2 °C and 50 +/- 5 % r h

## TESTING ENCLOSURE AND ATMOSPHERE:

The sample was tested in an atmosphere with a temperature of 10 °C to 30 °C and a relative humidity of 15 % and 80%. The sample was tested in an enclosure with a volume greater than 20m<sup>3</sup> with an air flow rate less than 0.2m/s

## SIZE OF TEST RIG:

Using the test rig as specified in BS 6807: 1996 Clause 1.7 Apparatus.

Authorised signatures:

Signed: .....

Zeb Alam  
Chemical Manager

Signed: .....

Karen Brooks  
Laboratory Manager

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## REQUIREMENTS:

Ignition Source: 5 (Crib)  
Progressive Smouldering (maximum duration): 60 minutes after ignition of crib  
Flaming (maximum Duration) Crib 5: 10 minutes after ignition of crib

## PROCEDURE:

The ticking fabric was tested as a composite over combustion modified slab foam, specifications as stated below.

Grade: CMHR35  
Approx Density: 35 kg per m<sup>3</sup>  
Approx Hardness Range: 130 N  
Size: 450 x 450 x 75mm

DATE OF TEST 31-January-2005

## RESULTS:

The 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 mattress, mattress pad or upholstered bed base in use.

Observation of test:

Ignition Sources	Position	Duration of Specimen		Special Features of Burning		Extent of damage to component (mm)		Ignited / Not ignition (I/NI)
		Flames (minutes)	Smouldering (minutes)	Melting	Charring	Length	Width	
Source 5 (wooden crib)	Top of test specimen	03.19	00.00	No	Yes	137	103	I
Source 5 (wooden crib)	Below the test specimen	03.50	00.00	No	Yes	77	180	I

## CONCLUSION:

Source 5 (wooden crib) Test: **PASS (P5)**

**Overall Result:** The sample composite (ticking & slab foam) **complies** with the flammability requirements of BS 6807: 1996 Section 2 Source 5 (wooden crib).