

TEST CERTIFICATE

DATE SUBMITTED: 21-JANUARY-2005
DATE ISSUED: 25-JANUARY-2005
REPORT NO: 5587
COMPANY ORDER NUMBER: 11387

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: Millennium Blue
SAMPLE DESCRIPTION: Woven Cotton FR Fabric
FABRIC REFERENCE: 11387
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. Tested in accordance with BS EN 597-1: 1995 Resistance to ignition with source - smouldering cigarette, BS EN 597-2: 1995 Resistance to ignition with source - match flame equivalent & BS 6807: 1996 Section 2 Source 5 (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 20m³ with an air flow rate less than 0.2m/s

SIZE OF TEST RIG:

Using the test rig as specified in BS EN 597-1 & 2: 1995 clause 6 Apparatus & 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:	Cigarette
Progressive Smouldering (maximum duration):	60 minutes after ignition of cigarette
Flaming (maximum Duration):	60 minutes after ignition of cigarette
Ignition Source:	Match flame equivalent
Progressive Smouldering (maximum duration):	60 minutes after ignition of burner
Flaming (maximum Duration):	2 minutes after ignition of burner
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 ³
Approx Hardness Range:	130 N
Size:	450 x 450 x 75mm

DATE OF TEST 25-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	
Smouldering Cigarette	Top of test specimen	00.00	18.13	No	Yes	65	10	NI
Smouldering Cigarette	Top of test specimen	00.00	17.52	No	Yes	66	10	NI
Match Flame equivalent	Top of test specimen	00.09	00.19	No	Yes	18	10	I
Match Flame equivalent	Top of test specimen	00.08	00.09	No	Yes	16	12	I
Source 5 (wooden crib)	Top of test specimen	03.43	00.00	No	Yes	110	102	I
Source 5 (wooden crib)	Below the test specimen	04.08	00.00	No	Yes	79	141	I

CONCLUSION:

Smouldering Cigarette Test: **PASS (P0)**

Match Flame Equivalent Test: **PASS (P1)**

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

Overall Result: The sample composite (ticking & slab foam) **complies** with the flammability requirements of BS 7177: 1996 for Medium Hazard