

## TEST CERTIFICATE

DATE SUBMITTED: 09-NOVEMBER-2010  
DATE ISSUED: 19-NOVEMBER-2010  
REPORT NO: 17191  
COMPANY JOB NUMBER: DB/mw.a/FTL-K.H.21203

CUSTOMER CONTACT NAMES: DONNA BARBER  
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COMPANY: FLAMENTEK LIMITED  
FOX FARMHOUSE  
SHADINGFIELD  
BECCLES  
SUFFOLK  
NR34 8DD

CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION DESCRIPTION: 85% Polyester, 15% Polyurethane  
SAMPLE QUALITY/COLOUR: Waterborn  
SAMPLE DESCRIPTION: Faux seude fabric treated with a DURAFLAM-DURACOTE®  
Flame Retardant formulation by Fabric Flare Limited  
END USE: Not Stated  
JOB REFERENCE: KV0077.10-21203 Kvadrat Holding

FIRE TEST REQUESTED:  
(Confidential Report)

BS 5852: 2006 Methods of test for (Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources) in accordance with Clause 11 using ignition source 5 Crib test

## LAUNDERING PROCEDURE:

The sample was subjected to the water soaking procedure @  $40\pm 1^{\circ}\text{C}$  as stated in BS 5852 2006 Annex E.

## CONDITIONING PRIOR TO TESTING:

The sample was conditioned before the test for @ least 72 h in indoor ambient conditions and then immediately before the test for @ least 24 h at  $23 \pm 2^{\circ}\text{C}$  and  $50 \pm 5\%$  r h

Authorised signatures:

Signed: 

Zeb Alam  
Technical Manager

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UPHOLSTERY FILLING SOURCE 5:  
 GRADE: CMHR35  
 APPROX DENSITY: 35 kg per m<sup>3</sup>  
 APPROX HARDNESS RANGE: 130 N

SIZE OF TEST RIG:  
 BACK JUNCTION: 450+/-2 mm x 450+/-2 mm  
 SEAT JUNCTION: 450+/-2 mm x 300+/-2 mm

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% to 80%. The sample was tested in an enclosure with a volume greater than 20m<sup>3</sup>

PROCEDURE:  
 The sample was mounted over the foam as described above, using the test rig as specified in BS 5852: 2006 Figure 4 & 5

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

DATE OF TEST: 17-November-2010  
 Fire test carried out by: Zeb Alam

RESULTS:  
 The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852:2006 Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

Observation of test:

Test No.	Ignition Source 5	Duration of	Special Features of Burning		Extent of damage to component					
					Vertical (mm)			Horizontal (mm)		
					Position	Flames (minutes)	Charring	Melting	Length	Width
1	M	03.10	Yes	Yes	TOC	107	0	98	110	0
2	M	03.48	Yes	Yes	TOC	100	0	103	114	0

LHS=Left Hand Side M= Middle RHS= Right Hand Side TOC= Top of Composite

COMMENTS & OBSERVATIONS:  
 The sample tested **complies with the flammability requirements** of BS 5852: 2006 (Clause 11 Upholstery Composite) Methods of test for (Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources) in accordance with Section 4 using ignition source 5 wooden crib test

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