

TEST CERTIFICATE

DATE SUBMITTED: 23-AUGUST-2011
DATE ISSUED: 30-AUGUST-2011
REPORT NO: 18789
COMPANY JOB NUMBER: DB/mw.a/FTL-IFS.KH.21267

CUSTOMER CONTACT NAMES: DONNA BARBER
TEL: 01502 575533
FAX: 01502 575533

COMPANY: FLAMEN TEK LIMITED
FOX FARMHOUSE
SHADINGFIELD
BECCLES
SUFFOLK
NR34 8DD

CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION DESCRIPTION: 75% new wool, 17% acrylic, 8% nylon
SAMPLE QUALITY/COLOUR: Colline
SAMPLE DESCRIPTION: Brown small check textured woven fabric treated with a DURAFLAM®
formulation by Fabric Flare Limited
END USE: Not Stated
JOB REFERENCE: KV0162.11 – 21267 - 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±1°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 +/- 2 °C and 50 +/- 5 % r h

Authorised signatures:

Signed: 

Zeb Alam
Technical Manager

Please note: this test results issued on this certificate refer only to the item tested and therefore doesn't relate to the lot or batch of the product / sample. This test certificate shall not be duplicated.

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UPHOLSTERY FILLING SOURCE 5:
 GRADE: CMHR35
 APPROX DENSITY: 35 kg per m³
 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 20m³

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: 31-August-2011
 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	4.15	Yes	Yes	TOC	89	0	91	102	0
2	M	3.58	Yes	Yes	TOC	84	0	95	110	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)**