

## TEST CERTIFICATE

DATE SUBMITTED: 28-APRIL-2015  
DATE ISSUED: 06-MAY-2015  
REPORT NO: 31481  
COMPANY ORDER NUMBER: DB/mw.a/FTL-IFS.KAS.21444

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

COMPANY: FLAMENTEK LIMITED  
RANNOCH HOUSE  
HALL DRIVE  
OULTON BROAD  
LOWESTOFT  
SUFFOLK  
NR32 3PU

### CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION: 90% New Wool, 10% Nylon  
SAMPLE NAME/REF: 'Coda 2'  
SAMPLE COLOUR: Grey  
SAMPLE DESCRIPTION/QUALITY: Woven fabric, treated with a **Duraflam®** Flame Retardant formulation by Fabric Flare Solutions Limited  
END USE: Upholstery  
FABRIC CUSTOMER: Kvadrat A/S  
JOB REFERENCE: 21444 – KV0405.15

### 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:  v

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.

Page 1 of 2

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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<sup>0</sup> C to 30<sup>0</sup> 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: 06-May-2015  
 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	03.15	Yes	Yes	TOC	63	18	79	94	09
2	M	03.29	Yes	Yes	TOC	71	21	88	103	11

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)**