

TEST CERTIFICATE

DATE SUBMITTED: 04-NOVEMBER-2010
DATE ISSUED: 16-NOVEMBER-2010
REPORT NO: 17155
COMPANY JOB NUMBER: DB/mw.a/FTL-K.H.21202

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: 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: KV0076.10-21202 Kvadrat Holding

FIRE TEST REQUESTED:
(Confidential Report)

BS 7176: 2007 Predictive Test for Low Hazard: Resistance to Ignition of Upholstered Furniture for Non-Domestic Seating by Testing Composites. Tested in accordance with BS EN 1021-1: 2006 Resistance to ignition source: smouldering cigarette & BS EN 1021-2: 2006 Resistance to ignition source: match flame equivalent.


LAUNDERING PROCEDURE:

The sample was subjected to the water soaking procedure @ $40 \pm 1^{\circ}\text{C}$ as stated in BS EN 1021-1 & 2 Annex D.

CONDITIONING PROIR TO TESTING:

The sample was conditioned immediately before the test for @ least 72 h in indoor ambient conditions and then for @ least 16 h at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 5\% \text{ r h}$

Authorised signatures:

Signed: 

Zeb Alam
Technical Manager

TEST CERTIFICATE

DATE SUBMITTED: 04-NOVEMBER-2010
 DATE ISSUED: 16-NOVEMBER-2010
 REPORT NO: 17155
 COMPANY JOB NUMBER: DB/mw.a/FTL-K.H.21202

UPHOLSTERY FILLING SOURCE 0 & 1:
 GRADE: CMHR35
 APPROX DENSITY: 35 kg per m³
 APPROX HARDNESS RANGE: 130 N

SIZE OF TEST RIG:
 BACK JUNCTION: 450+/-2 mm x 300+/-2 mm
 SEAT JUNCTION: 450+/-2 mm x 150+/-2 mm

PROCEDURE:
 The sample was mounted over the foam described above using the test rig as specified in BS EN 1021-1 & 2 Clause 6 Apparatus.

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 a enclosure with a volume greater than 20m³

REQUIREMENTS:
 Ignition Source: Cigarette
 Progressive Smouldering (detected within duration): 60 minutes after ignition of cigarette
 Flaming (detected within duration): 60 minutes after ignition of cigarette

Ignition Source: Match flame (15±1 second application time)
 Progressive Smouldering (maximum duration): 120 seconds after ignition of burner
 Smoking (maximum duration): 120 seconds after ignition of burner
 Flaming (maximum duration): 120 seconds after ignition of burner
 Afterglow (maximum duration): 120 seconds after ignition of burner

DATE OF TEST: 14-November-2010
 Fire test carried out by: Zeb Alam

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 materials in use.

Observation of test:

Ignition Sources	Position	Duration of		Special Features of Burning		Extent of damage to component			
						Vertical (mm)		Horizontal (mm)	
		Flames (minutes)	Smouldering (minutes)	Charring	Melting	Length	Width	Length	Width
Test 1: Source 0	LHS	00.00	Failed to smoulder	Yes	Yes	N/A	N/A	N/A	N/A
Test 2: Source 0	RHS	00.00	Failed to smoulder	Yes	Yes	N/A	N/A	N/A	N/A
Test 1: Source 1	LHS	00.00	00.00	Yes	Yes	53	17	15	17
Test 2: Source 1	RHS	00.00	00.00	Yes	Yes	61	18	18	18

LHS=Left Hand Side M= Middle RHS= Right Hand Side

COMMENTS & OBSERVATIONS:
 The sample tested complies with the requirements of BS 7176: 2007 Predictive Test for Low Hazard: Resistance to Ignition of Upholstered Furniture for Non-Domestic Seating by Testing Composites (not recommended for use in higher hazard areas).

Smouldering Cigarette Test: **PASS (P0)**
 Match Flame Equivalent Test: **PASS (P1)**