

TEST CERTIFICATE

DATE SUBMITTED: 14-JULY-2016
DATE ISSUED: 25-JULY-2016
REPORT NO: 37825
COMPANY ORDER NUMBER: 21500

CUSTOMER CONTACT NAMES: DONNA BARBER
TEL: 01502 575533
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COMPANY: FLAMENTEK LIMITED
RANNOCH HOUSE
HALL DRIVE
OULTON BROAD
LOWESTOFT
SUFFOLK
NR32 3PU

CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION: 45% New Wool Worsted, 5% Nylon, 50% Polyester
QUALITY/BATCH REF: Floyd
SAMPLE COLOUR: Taupe
SAMPLE DESCRIPTION/QUALITY: Woven Fabric, treated with a **Duraflam**® Flame Retardant formulation by Fabric Flare Solutions Ltd.
END USE: Upholstery
FABRIC CUSTOMER: Kvadrat Holding
JOB REFERENCE: 21500

FIRE TEST REQUESTED: (Confidential Report)

BS 7176: 2007 + A1:2011 Medium Hazard: Resistance to Ignition of Upholstered Furniture for Non-Domestic Seating by Testing Foam Composites with the specified upholstery, i.e. testing the foam and fabric/leather together. 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. 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 EN 1021-1 & 2 Annex D.
The sample was subjected to the water soaking procedure @ 40±1°C as stated in BS 5852 2006 Annex E.

Authorised signatures:

Signed:  v

Zeb Alam
Technical Manager

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UPHOLSTERY FILLING SOURCE 0 & 1 & 5:
GRADE: CMHR
APPROX DENSITY: 35 kg per m³
APPROX HARDNESS RANGE: 130 N

CONDITIONING PROIR TO TESTING:

The sample was conditioned immediately before the test for @ least 72 h in indoor ambient conditions and then for @ least 24 h at 23 +/- 2 °C and 50 +/- 5 % r h.

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

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

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

REQUIREMENTS:

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

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Date Tested: 25-July-2016
 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	
		Flames (minutes)	Smouldering (minutes)	Charring	Melting
Test 1: Source 0	LHS	00.00	Failed to smoulder	Yes	Yes
Test 2: Source 0	RHS	00.00	Failed to smoulder	Yes	Yes
Test 1: Source 1	LHS	00.00	00.00	Yes	Yes
Test 2: Source 1	RHS	00.00	00.00	Yes	Yes
Test 3: Source 1	RHS	00.00	00.00	Yes	Yes
Test 1: Source 5	M	04.42	02.31	Yes	Yes
Test 2: Source 5	M	04.28	03.02	Yes	Yes

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

COMMENTS & OBSERVATIONS:

The sample tested **complies** with the requirements of BS 7176: 2007+ A1:2011 Medium 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)**
 Source 5 (crib): **PASS (P5)**