

# TEST CERTIFICATE

DATE SUBMITTED: 20-NOVEMBER-2014  
DATE ISSUED: 28-NOVEMBER-2014  
REPORT NO: 29638  
COMPANY PO NUMBER: DB/mw.a/FTL-KA/S. 21416

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: 100% Polyurethane, Polyester backing  
SAMPLE NAME/REF: 'Ledger by Maharam  
SAMPLE COLOUR: White  
SAMPLE DESCRIPTION/QUALITY: Vinyl fabric, treated with a **Duraflam-Duracote®** Flame Retardant formulation by Fabric Flare Solutions Limited  
END USE: Upholstery  
FABRIC CUSTOMER: Kvadrat A/S  
JOB REFERENCE: KV0367.14 – 21416

### FIRE TEST REQUESTED:

(Confidential Report)

BS 7176: 2007+ A1:2011 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±1<sup>0</sup>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 +/- 2<sup>0</sup>C and 50 +/- 5 % r h

Authorised signature:

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.

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**UPHOLSTERY FILLING SOURCE 0 & 1:**

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 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 20m<sup>3</sup>

**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: 27-November-2014

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	75	16	20	14
Test 2: Source 1	RHS	00.00	00.00	Yes	Yes	84	19	18	15

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 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)**

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