

TEST CERTIFICATE

DATE SUBMITTED: 29-APRIL-2014
DATE ISSUED: 21-MAY-2014
REPORT NO: 26572
COMPANY PO NUMBER: DB/mw.a/FTL-KA/S. 21371

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: face: 100% Polyurethane, back: 100% Polyester
SAMPLE NAME/REF: Compound by Maharam
SAMPLE COLOUR: Not Stated
SAMPLE DESCRIPTION/QUALITY: Vinyl fabric, treated with a **Duraflam-Duracote®** Flame Retardant formulation by Fabric Flare Solutions Limited
END USE: Upholstery
FABRIC CUSTOMER: Not Stated
JOB REFERENCE: KV0295.14 - 21371 - Kvadrat A/S

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 @ $40 \pm 1^{\circ}\text{C}$ 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 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 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: 20-May-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	67	17	14	10
Test 2: Source 1	RHS	00.00	00.00	Yes	Yes	71	20	16	11

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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