



**FIRE
TECHNOLOGY
SERVICES**

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Our Ref: 2700703B/09/06
Your Ref:
Order No: 38408

18 October 2006
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Client: B Brown
74 – 78 Wood Lane
Hemel Hempstead
Hertfordshire
HP2 4RF

Job Title: **Fire Test**

Material Received: 1 September 2006

Description of Sample: One sample of fabric labelled: **Glitter Disco Sparkle GL21. A Decorative, Cotton Backed Display Material, Bonded using Murabond Heavy Adhesive to the Skimmed Face of a 12.5mm Plasterboard. The Normal Weight of the Product is 533gsm, Made up of 64gsm of Polyester Glitter Adhered to a 256gsm Cotton Backer using 213gsm of an Acrylic Adhesive. The Normal Thickness of the Plaster is 2mm..**

Brief: Fire Technology Services were requested to carry out a fire test on the sample of fabric supplied to BS 476: Part 7.

UKAS Accreditation: Our Laboratories are UKAS accredited. However, it should be noted that tests marked * are not UKAS accredited in this report. They are not included in the UKAS Accreditation Schedule for our laboratory, either due to the work not conforming fully to the standard (e.g. reduced number of specimens) or to it being outside the scope of our accreditation, or subcontracted.

Testing Atmosphere: Unless otherwise specified the sample has been conditioned and tested, where appropriate, in the standard atmosphere for conditioning and testing textiles (BS EN ISO 139:2005) of 65 ± 4% r.h. and 20 ± 2°C.



This report is incomplete without all the pages specified above
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1066
Group



B Brown

**FIRE TESTS ACCORDING TO BS 476:PART 7:1987 (AS AMENDED)
(Method for classification of the surface spread of flame of products)**

Date of Test: 16/10/2006

Conditioning

The sample was conditioned to constant mass at a temperature of $23 \pm 2^\circ\text{C}$ and a relative humidity of $50 \pm 10\%$ and maintained in this condition until required for testing

Procedure

The test was carried out in accordance with BS 476: Part 7: 1987. The sponsor sampled the material and the specimens were cut from the sample to the dimensions set out in the standard by FTS. The specimens were tested stuck down onto 12.5mm plasterboard using Murabond Heavy adhesive.

The following were recorded:-

- a) the time at which the flame front crosses each vertical reference line;
- b) the maximum extent of flame spread during the first 1.5 min from the start of the test;
- c) the maximum extent of flame spread during the whole test i.e. 10 min or less (if applicable)
- d) the time (and distance) at which maximum flame spread is reached.

The flame spread at 1.5min and the final flame spread results were compared with the standard class limits and a classification was assigned.

Requirements

The class limits for flamespread, detailed in BS 476:Part 7: are set out below.

	Flame spread at 1.5 min (mm)	Final flame spread (mm)
Class 1	165 (+ 25)	165 (+ 25)
Class 2	215 (+ 25)	455 (+ 45)
Class 3	265 (+ 25)	710 (+ 75)
Class 4	Exceeding Class 3 limits.	

A definitive classification is based on a sample of six specimens and the figure in brackets gives the tolerance by which only one specimen in six may exceed the class limit assigned.





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Results

The test results relate only to the behaviour of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Time for flame spread to reach (s) (mm)					Flame spread at 1.5 min (mm)	Maximum flame spread (mm)	Time to reach maximum flame spread (s)
165	215	265	455	710			
					70	70	62
					70	70	80
					70	70	62
					70	70	66
					75	75	71
					70	70	65

The results indicate that the sample met the performance requirements of Class 1.

The information contained on page no's 1/3 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by the FTS on the materials referred to.

Signed.....*B. Marsden*.....Date.....*18/10/06*.....
 Mrs. B. Marsden
 Fire Technician

Reported By.....*[Signature]*.....Date.....*18/10/06*.....
 Mr P Doherty
 Operational Head

