FIRE TECHNOLOGY SERVICES

Wira House
West Park Ring Road
Leeds, LS16 6QL
England

Tel: +44 (0)113 259 1999
Fax: +44 (0)113 278 0306
Web:http://www.bttg.co.uk
Email:CSLeeds@bttg.co.uk

Our Ref: 2702056/09/10
Your Ref:
Order No: 33875

2 September 2010

Client:	Camira Fabrics Ltd Hopton Mills Mirfield West Yorkshire WF14 8HE
Job Title:	**Fire Test on One Sample of Fabric**
Material Received:	28 July 2010
Description of Sample:	One sample of fabric, referenced: **Blazer Lite**.
Brief:	Fire Technology Services were requested to carry out a fire test on the sample 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.
Uncertainty:	An estimation of uncertainty of measurement has not been taken into account when making a judgement to any pass/fail criteria.

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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: 27/08/2010

Conditioning

The sample was conditioned to constant mass at a temperature of 23 ± 2°C and a relative humidity of 50 ± 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 12mm calcium silicate board using Murabond 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	60
					70	70	60
					70	70	60
					70	70	60
					70	70	60
					70	70	60

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 FTS on the materials referred to.

Signed.....B Marsden.....Date.....02 September 2010
Mrs B Marsden
Fire Technician

Reported By.....M Nunney.....Date.....02 September 2010
PP P Doherty
Operational Head