FIRE TECHNOLOGY SERVICES

BTTG Testing & Certification Ltd.
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

10 October 2011

Our Ref: 2702364/09/11
Your Ref:

Client:	Kvadrat A/S Lundbergsvej 10 8400 Ebeltoft Denmark
Job Title:	**Fire Test on One Sample of Fabric**
Clients Order Ref:	---
Date of Receipt:	22 September 2011
Description of Sample:	One sample of fabric, referenced: **Sunniva, 62% New Wool, 25% Viscose, 8% Linen, 5% Polyamide**.
Work Requested:	Fire Technology Services were requested to carry out a fire test on the sample supplied to BS 5852 Part 1 Ignition Sources 0-1.

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STATUTORY INSTRUMENT NO.1324 CONSUMER PROTECTION
THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988
(SI No 2358 Amendment 1989)

Date of Test: 10/10/2011

Conditioning

Immediately prior to testing the sample was placed in indoor ambient conditions for 72 hours and then conditioned in a standard atmosphere of 20 ±5°C temperature and 50 ± 20% relative humidity for at least 16 hours. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard by FTS.

The sample was tested in a room of volume 25m^3 and 19°C.

Procedure

The sample was tested in accordance with Schedule 4 Part I and Schedule 5 Part I of the above regulations.

The specimens were mounted over fillings of standard non-FR polyurethane foam of density about 22Kg/m^3.

Tests were made in accordance with BS 5852 part 1 using ignition source 0 and 1

Requirements

Ignition Source 0	No progressive smouldering or flaming within one hour of the placement of the cigarette.
Ignition Source 1	All progressive smouldering and flaming to cease within120s of removal of the burner tube.

In relation to progressive smouldering for ignition source 1, it has been clarified by the British Standards Institution Committee responsible for the development of BS 5852: Part 1:1979 (CCM/44) that it is necessary to observe test specimens for a period of 15 minutes from the removal of the gas flame in order to determine whether or not the specimen is smouldering progressively.

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Results

The following 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.

During testing the following was noted:-

	Source 0		Source 1
Time of ignition(s)	---	---	17
Time of Flame Extinction(s)	---	---	140 ME
Time of Smoke Extinction(s)	1859	1911	---
Time of cover split(s)	DNS	DNS	38
Melting (Yes or No)	No	No	Yes
Dripping (Yes or No)	No	No	Yes
Charring (Yes or No)	Yes	Yes	Yes
Other Phenomena			BTTF, EC
Pass / Fail	Pass	Pass	Fail

DNS Material did not split
ME Manually extinguished
EC Escalating combustion
BTTF Burnt through thickness of the foam

Comments

The specimens were tested as received. The results indicate that the above sample did not meet the performance requirements.

An estimation of uncertainty of measurement has not been taken into account when making a judgement to any pass/fail criteria.

Reported by:..... R Ryan, Fire Technician

Countersigned by:..... P Doherty, Operational Head

Enquiries concerning this report should be addressed to Customer Services.

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