FIRE TECHNOLOGY SERVICES

BTTG Testing & Certification Ltd.
Wira House
West Park Ring Road
Leeds, LS16 6QL
England

Tel: +44 (0)113 259 1999
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29 July 2016

Our Ref: 27/03958E/07/16
Your Ref:

Client:

Job Title:	**Fire Test on One Sample of Foam**
Clients Order Ref:	---
Date of Receipt:	14 July 2016
Description of Sample:	One sample of foam, referenced: **Safety Foam 9529 Ochre**.
Work Requested:	Fire Technology Services were requested to carry out a fire test on the sample supplied to Furniture & Furnishings Regulations Schedule 1 Part 1.

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**STATUTORY INSTRUMENT NO.1324 CONSUMER PROTECTION
THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988 SI 1988. No. 1324 (AS AMENDED BY SI 1989 No. 2358, SI 1993 No. 207 & SI 2010 No. 2205)**

Date of Test: 28/07/2016

Conditioning

Immediately prior to testing the sample was placed into in-door 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 sample was tested in a room of volume 25m^3 and 22°C.

Procedure

The sample of foam was tested in accordance with Schedule 1 Part 1 of the above regulations.

The sponsor sampled the foam and the specimens were cut from the sample received to the dimensions set out in the standard by the sponser.

The initial and final mass after testing of the sample was recorded. The mass loss was then calculated.

Requirements

Both specimens tested need to meet:

Ignition Source	Maximum duration allowed for progressive smouldering	Maximum duration allowed for flaming
5	60 minutes after ignition of crib	600 seconds after ignition of crib

- Smouldering or flaming necessitates forcible extinction due to escalating combustion behaviour so it is unsafe to continue the test and forcible extinction is required.
- Flaming or smouldering essentially consumes the specimen within the test duration.
- Resultant mass loss (initial mass less final mass) is less than 60g

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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.

Sample	Initial Mass (g)	Final Mass (g)	Mass Loss (g)	Pass or Fail
Safety Foam 9529 Ochre	1180	1152	28	Pass
	1134	1108	26	

Comments

On the basis of the tests carried out as described, it is the opinion of this laboratory that this sample of foam would meet the flammability performance requirements of Schedule 1 of the Furniture & Furnishings (Fire) (Safety Regulations 1988).

Uncertainty of measurement has not been taken into account when presenting the test result. The relevant uncertainty value is included as an annex which forms an integral part of the report.

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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Uncertainty Budget - Annex

The overall uncertainty budget for BS 5852 is as follows:-

Measurements:	±2mm
Timings:	±2 seconds
Weight:	±1g