



**FIRE  
TECHNOLOGY  
SERVICES**

# **Confidential Report**

**Our Ref: 27/03514/04/15**

Notified Body  
for PPE Directive,  
Construction Products  
Regulation & Marine  
Equipment Directive  
I.D. No. 0338 & 0339

**British Carpet Technical Centre  
Wira House, West Park Ring Road,  
Leeds, LS16 6QL**

**Tel No: +44 (0)113 2591999**





FIRE  
TECHNOLOGY  
SERVICES

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

Tel: +44 (0)113 259 1999  
Web: <http://www.bttg.co.uk>  
Email: [CSLeeds@bttg.co.uk](mailto:CSLeeds@bttg.co.uk)

27 April 2015

Our Ref: 27/03514/04/15  
Your Ref:

Page 1 of 5

Client: Camira Fabrics Ltd  
Meltham Mills  
Meltham  
West Yorkshire  
HD9 4AY

Job Title: **Fire Test on One Sample of Fabric**

Clients Order Ref: M52136

Date of Receipt: 21 April 2015

Description of Sample: One sample of fabric, referenced: **Xtreme**.

Work Requested: Fire Technology Services were requested to carry out a fire test on the sample supplied to BS EN 1021 Parts 1 & 2.





# FIRE TECHNOLOGY SERVICES

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

Tel: +44 (0)113 259 1999  
Web: <http://www.bttg.co.uk>  
Email: [CSLeeds@bttg.co.uk](mailto:CSLeeds@bttg.co.uk)

27 April 2015

Page 2 of 5

Our Ref: 27/03514/04/15  
Your Ref:

## Camira Fabrics Ltd

### FIRE TESTS ACCORDING TO BS EN 1021-1:2014

Assessment of the ignitability of upholstered furniture. Part I. Ignition Source : Smouldering cigarette

Date of Test: 27/04/15

### Conditioning

The sample was water-soaked and dried in accordance with Annex D of this standard. After drying the sample was conditioned for at least 16 hours at a temperature of  $23\pm 2^{\circ}\text{C}$  and relative humidity of  $50\pm 5\%$ .

The sample was tested in a room of volume  $25\text{m}^3$  and  $21^{\circ}\text{C}$ .

### Procedure

The test was carried out in accordance with BS EN 1021-1:2014. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The specimens were mounted over fillings of standard non-FR polyurethane foam of density about  $22\text{Kg}/\text{m}^3$  to  $24\text{Kg}/\text{m}^3$

Tests were made using ignition source 0.

### Requirements

The specimens shall not:-

#### Smouldering Criteria

- display escalating combustion requiring active extinction.
- smoulder or burn until it is essentially consumed within the test duration.
- smoulder or burn to the extremities of the specimen, or through the full thickness, within the duration of the test.
- smoulder for more than one hour.
- on final examination, show evidence of progressive smouldering.

#### Flaming Criteria

- show evidence of flaming initiated by a smouldering source.





27 April 2015

Page 3 of 5

Our Ref: 27/03514/04/15  
Your Ref:

**Camira Fabrics Ltd**

**Results**

|   | Cigarette |    |                | Comments |
|---|-----------|----|----------------|----------|
|   | 1         | 2  | 3 <sup>1</sup> |          |
| <b>Smouldering Criteria (Yes/No)</b>                      |           |    |                |          |
| Unsafe escalating combustion                              | No        | No | --             |          |
| Test assembly consumed                                    | No        | No | --             |          |
| Smoulders to extremities                                  | No        | No | --             |          |
| Smoulders through thickness                               | No        | No | --             |          |
| Smoulders more than 1 hour                                | No        | No | --             |          |
| In final examination, presence of progressive smouldering | No        | No | --             |          |
| <b>Ignitability Performance (Yes/No)</b>                  |           |    |                |          |
| Occurrence of flames                                      | No        | No | --             |          |
| Ignition / Non Ignition ( I/NI )                          | NI        | NI | --             |          |

<sup>1</sup> Results for cigarette 3, only if applicable.

**Note**

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.

**Comments**

A NI designation indicates that the sample meets the performance requirements of BS EN 1021-1.





# FIRE TECHNOLOGY SERVICES

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

Tel: +44 (0)113 259 1999  
Web: <http://www.bttg.co.uk>  
Email: [CSLeeds@bttg.co.uk](mailto:CSLeeds@bttg.co.uk)

27 April 2015

Page 4 of 5

Our Ref: 27/03514/04/15  
Your Ref:

## Camira Fabrics Ltd

### FIRE TESTS ACCORDING TO BS EN 1021-2:2014

**Assessment of the ignitability of upholstered furniture. Part 2. Ignition Source : Match flame equivalent.**

**Date of Test: 27/04/15**

### Conditioning

The sample was water-soaked and dried in accordance with Annex D of this standard. After drying the sample was conditioned for at least 16 hours at a temperature of  $23\pm 2^{\circ}\text{C}$  and relative humidity of  $50\pm 5\%$ .

The sample was tested in a room of volume  $25\text{m}^3$  and  $21^{\circ}\text{C}$ .

### Procedure

The test was carried out in accordance with BS EN 1021-2:2014. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The specimens were mounted over fillings of standard non-FR polyurethane foam of density about  $22\text{Kg}/\text{m}^3$  to  $24\text{kg}/\text{m}^3$

Tests were made using ignition source 1.

### Requirements

The specimens shall not:-

#### Smouldering Criteria

- display escalating combustion requiring active extinction.
- smoulders until it is essentially consumed within the test duration.
- smoulder to the extremities of the specimen, or through the full thickness, within the duration of the test.
- smoulder for more than one hour.
- show evidence of charring, other than discolouration, for more than 100mm in any direction apart from the nearest part of the original position of the source.

#### Flaming Criteria

- display escalating combustion requiring active extinction.
- burns until it is essentially consumed within the test duration.
- burns to the extremities of the specimen, or through the full thickness, within the duration of the test.
- exhibit any flaming for more than 120 seconds after removal of the burner tube.





**FIRE  
TECHNOLOGY  
SERVICES**

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

Tel: +44 (0)113 259 1999  
Web: <http://www.bttg.co.uk>  
Email: [CSLeeds@bttg.co.uk](mailto:CSLeeds@bttg.co.uk)

27 April 2015

Page 5 of 5

Our Ref: 27/03514/04/15  
Your Ref:

**Camira Fabrics Ltd**

**Results**

|   | Match Flame Equivalent |    | Comments |
|---|------------------------|----|----------|
|   | 1                      | 2  |          |
| <b>Smouldering Criteria (Yes/No)</b>                      |                        |    |          |
| Unsafe escalating combustion                              | No                     | No |          |
| Test assembly consumed                                    | No                     | No |          |
| Smoulders to extremities                                  | No                     | No |          |
| Smoulders through thickness                               | No                     | No |          |
| Smoulders more than 1 hour                                | No                     | No |          |
| In final examination, presence of progressive smouldering | No                     | No |          |
| <b>Ignitability Performance (Yes/No)</b>                  |                        |    |          |
| Unsafe escalating combustion                              | No                     | No |          |
| Test assembly consumed                                    | No                     | No |          |
| Flames to extremities                                     | No                     | No |          |
| Flames through thickness                                  | No                     | No |          |
| Flames longer than 120 seconds                            | No                     | No |          |
| Ignition / Non Ignition ( I/NI )                          | NI                     | NI |          |

**Note**

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.

**Comments**

A NI designation indicates that the sample meets the performance requirements of BS EN 1021-2.

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

Reported by:..... *B Marsden* ..... B Marsden (Mrs), Fire Technician

Countersigned by:..... *[Signature]* ..... P Doherty, Operational Head

Enquiries concerning this report should be addressed to Customer Services.

