



**FIRE  
TECHNOLOGY  
SERVICES**

## **Confidential Report**

**Our Ref: 27/03393B/12/14**

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)

30 January 2015

Our Ref: 27/03393B/12/14  
Your Ref:

Page 1 of 5

Client: Gudbrandsdalens Uldvarefabrik  
Serviceboks  
N-2626 Lillehammer  
Norway

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

Clients Order Ref: ---

Date of Receipt: 19 December 2014

Description of Sample: One sample of fabric, referenced: **5098 Suldal, 100% Wool.**

Work Requested: Fire Technology Services were requested to carry out a fire test on the sample supplied to IMO FTP Code 2010 Part 8.





# 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)

30 January 2015

Page 2 of 5

Our Ref: 27/03393B/12/14  
Your Ref:

Gudbrandsdalens Uldvarefabrik

## Product Description

Type of Furniture, e.g., Seat, Sofa, Office Chair, etc;.	Seats, sofas & office chairs
Name and/or Identification of the Product Tested	5098 Suldal
Materials of the Product and its Composite Ratio (i)	100% Wool
Composition of Weave (ii)	Dobby "Birdseye"
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Cm: 7.3 / 6.3
Yarn Number Count	Nm 3.5
Mass per Unit Area (g/mm <sup>2</sup> )	800 g/m <sup>2</sup>
Colour and Tone (iii)	Colour range of 10 colours
Method and Quantity of Fire Retardant Treatment	No treatment





# 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)

30 January 2015

Page 3 of 5

Our Ref: 27/03393B/12/14  
Your Ref:

Gudbrandsdalens Uldvarefabrik

## **FIRE TESTS ACCORDING to IMO FTP Code 2010:Part 8 (replacing IMO A652 (16)) Test for Upholstered Furniture**

**Date of Test:** 30/01/2015

### **Conditioning**

Immediately prior to testing the sample was placed in indoor ambient conditions for 72 hours and then conditioned in a standard atmosphere of  $20 \pm 5^\circ\text{C}$  temperature and  $50 \pm 20\%$  relative humidity for at least 16 hours.

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

### **Procedure**

The sample was tested in accordance with IMO FTP Code 2010:Part 8 using ignition sources 0 and 1. 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  $22\text{Kg/m}^3$ .

### **Requirements**

<u>Ignition Source 0</u>	No progressive smouldering or flaming within one hour of the placement of the cigarette.
<u>Ignition Source 1</u>	All progressive smouldering and flaming to cease within 120sec of removal of the burner tube.





30 January 2015

Page 4 of 5

Our Ref: 27/03393B/12/14  
Your Ref:

Gudbrandsdalens Uldvarefabrik

**Results**

Ignition Source	Specimen 1		Specimen 2	
	0	1	0	1
Ignition Time (secs.)	---	12	---	11
Exinction Time (Flame) (secs.)	---	21	---	20
Exinction Time (Smoke) (secs.)	2225	29	942 DNP	31
Time of Cover Split (secs.)	DNS	DNS	DNS	DNS

Observations				
Cigarette Did Not Propagate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manually Extinguished	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burnt Through Thickness of Foam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Material Did Not Split	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Burnt to Edge of Specimen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Escalating Combustion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Escalating Smouldering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did Not Observe Time of Event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Criteria		
Smouldering Cigarette Test	Specimen 1	Specimen 2
Progressive smouldering or flaming observed	No	No
Performance	Pass	Pass
Flaming Ignition Source Test		
Progressive smouldering or flaming observed	No	No
Performance	Pass	Pass

**Cigarette Specification (Source 0)**

Dimensions (mm) 69 x 8  
Mass (g) 0.90  
Smouldering Rate (secs) 10.57





**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)

30 January 2015

Page 5 of 5

Our Ref: 27/03393B/12/14  
Your Ref:

Gudbrandsdalens Uldvarefabrik

**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.

**Comment**

In our opinion, based on the test carried out on the sample supplied; the results indicate the sample meets the requirements according to IMO 2010 FTP Code, Part 8.

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.

