



**FIRE  
TECHNOLOGY  
SERVICES**

## **Confidential Report**

**Our Ref: 27/03502A/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**





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BTTG Testing & Certification Ltd.  
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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 April 2015

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Your Ref:

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Client: AB Ludvig Svensson  
Bangatan 8  
SE – 511 82 Kinna  
Sweden

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

Clients Order Ref: ---

Date of Receipt: 9 April 2015

Description of Sample: One sample of fabric, referenced: **Rock, Composition: 85% Wool, 15% Polyamide, Weight: 290 g/m2.**

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





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**AB Ludvig Svensson**

### Product Description

Company Name	AB Ludvig Svensson
Type of Furniture, e.g., Seat, Sofa, Office Chair, etc;.	--
Name and/or Identification of the Product Tested	Rock
Materials of the Product and its Composite Ratio (i)	85% Wool, 15% Polyamide
Composition of Weave (ii)	Weave
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Warp: 69 thr/inch Weft: 48 thr/inch
Yarn Number Count	Nm 32/2
Thickness (mm)	0,7
Mass per Unit Area (g/mm <sup>2</sup> )	290
Colour and Tone (iii)	Blue and black
Method and Quantity of Fire Retardant Treatment	--

- (i) Such as wool, nylon, polyester, etc.  
(ii) Such as plain, weave, twilled.  
(iii) If the product has a pattern, the representative colour shall be described.



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**AB Ludvig Svensson**

## **FIRE TESTS ACCORDING to IMO FTP Code 2010:Part 8 Test for Upholstered Furniture**

**Date of Test:** 30/04/2015

### **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  $23^\circ\text{C}$ .

### **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.

Specimens of fabric were mounted over fillings of combustion modified high resilience foam of density about  $35\text{ kg/m}^3$ .

### **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.





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**Results**

Ignition Source	Specimen 1		Specimen 2	
	0	1	0	1
Ignition Time (secs.)	---	10	---	11
Extinction Time (Flame) (secs.)	---	21	---	21
Extinction Time (Smoke) (secs.)	1920	37	1983	39
Time of Cover Split (secs.)	DNS	DNS	DNS	DNS

Observations				
Cigarette Did Not Propagate	<input type="checkbox"/>	<input type="checkbox"/>	<input 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		
	Specimen 1	Specimen 2
<b>Smouldering Cigarette Test</b>		
Progressive smouldering or flaming observed	No	No
Performance	Pass	Pass
<b>Flaming Ignition Source Test</b>		
Progressive smouldering or flaming observed	No	No
Performance	Pass	Pass

**Cigarette Specification (Source 0)**

Dimensions (mm) 69  
Mass (g) 0.90  
Smouldering Rate (secs) 650





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

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

Enquiries concerning this report should be addressed to Customer Services.

