



**FIRE  
TECHNOLOGY  
SERVICES**

## **Confidential Report**

**Our Ref: 27/03390/12/14**

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

**Fire Technology Services  
A division of BTTG T & C Ltd  
Wira House, West Park Ring Road,  
Leeds, LS16 6QL**

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



**1066**



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BTTG Testing & Certification Ltd.  
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22 January 2015

Our Ref: 27/03390/12/14  
Your Ref:

Page 1 of 4

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: 17 December 2014

Description of Sample: One sample of fabric, referenced: **Yra, 100% Trevira CS.**

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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Page 2 of 4

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**AB Ludvig Svensson**

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

**Date of Test:** 21/01/15

### **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  $19^{\circ}\text{C}$ .

### **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**

#### 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 within 120sec of removal of the burner tube.





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Page 3 of 4

Our Ref: 27/03390/12/14  
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## Results

	Specimen 1		Specimen 2	
Ignition Source	0	1	0	1
Ignition Time (secs.)	--	6	--	7
Extinction Time (Flame) (secs.)	--	22	--	23
Extinction Time (Smoke) (secs.)	1140	1	1221	6
Time of Cover Split (secs.)	DNO	5	DNO	6

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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  
Mass (g) 0.90  
Smouldering Rate (secs) 10.57





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Page 4 of 4

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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: .....  ..... P Doherty, Operational Head

Enquiries concerning this report should be addressed to Customer Services.

