



**FIRE  
TECHNOLOGY  
SERVICES**

## **Confidential Report**

**Our Ref: 27/03148/05/14**

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,  
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29 May 2014

Our Ref: 27/03148/05/14  
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: 6 May 2014

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

Work Requested: Fire Technology Services were requested to carry out a fire test on the sample supplied to IMO FTP Code Part 7.





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Page 2 of 4

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**AB Ludvig Svensson**

**FIRE TESTS ACCORDING to IMO FTP Code 2010:Part 7  
Test for Vertically Supported Textiles and Films**

**Date of Test:** 27/05/14

#### **Cleaning Procedure**

The sample was subjected to the accelerated laundering procedure as specified in the IMO FTP Code 2010:Part 7 Appendix 3.

#### **Conditioning**

The sample was conditioned for 72 hours in the standard atmosphere for conditioning textiles of  $20 \pm 5^\circ\text{C}$  and  $65 \pm 5\%$  R.H.

#### **Procedure**

The sample was tested in accordance with IMO FTP Code 2010:Part 7. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

A 40mm high propane gas flame was applied to the edge of 5 warp and 5 weft specimens for 15 seconds.

The after-flame time, length of char, existence of surface flashing and ignition of cotton waste from drops were recorded.





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Page 3 of 4

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**Requirements**

The Performance Criteria for Curtains and Drapes states that: Products which show any of the following characteristics obtained by the fire test in appendix 1, shall be considered unsuitable for use as curtains, drapes or free-hanging fabric product for use in rooms containing furniture and furnishings of restricted fire risk as defined in the relevant regulations of chapter II-2 of the Convention:-

1. An after-flame time greater than 5 sec for any of the 10 or more specimens tested with surface application of the pilot flame.
2. Burn through to any edge of any of the 10 or more specimens tested with surface application of the pilot flame.
3. Ignition of cotton wool below specimen in any of the 10 or more specimens tested.
4. An average char length in excess of 150mm observed in any of the 10 or more specimens tested by either surface or edge ignition; and
5. The occurrence of a surface flash propagating more than 100mm from the point of ignition with or without charring of the base fabric.

**Results**

The test results relate to the behaviour of the test specimen of a product under the particular conditions of the test; they are not intended to be the sole criteria for assessing the potential fire hazard of the product in use.

|      | After flame time (s) |      | Char length (mm) |      | Burning Droplets (Yes or No) |      | Flaming to edge (yes or No) |      |
|------|----------------------|------|------------------|------|------------------------------|------|-----------------------------|------|
|      | Warp                 | Weft | Warp             | Weft | Warp                         | Weft | Warp                        | Weft |
|      | 0                    | 0    | 40               | 84   | No                           | No   | No                          | No   |
|      | 0                    | 0    | 48               | 60   | No                           | No   | No                          | No   |
|      | 0                    | 0    | 60               | 55   | No                           | No   | No                          | No   |
|      | 0                    | 0    | 60               | 59   | No                           | No   | No                          | No   |
|      | 0                    | 0    | 48               | 71   | No                           | No   | No                          | No   |
| Mean | 0                    | 0    | 51.2             | 65.8 |                              |      |                             |      |





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Page 4 of 4


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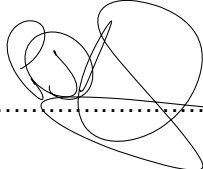
**AB Ludvig Svensson**

**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 7.

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 (Mrs), Fire Technician

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

Enquiries concerning this report should be addressed to Customer Services.

