FIRE
TECHNOLOGY
SERVICES

# Confidential Report

## Our Ref: 27/03384/12/14

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**

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BTTG Testing & Certification Ltd.
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England

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

22 January 2015

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Your Ref:



| | |
|---|---|
| Client: | AB Ludvig Svensson<br>Bangatan 8<br>SE – 511 82 Kinna<br>Sweden |
| Job Title: | **Fire Test on One Sample of Fabric** |
| Clients Order Ref: | -- |
| Date of Receipt: | 12 December 2014 |
| Description of Sample: | One sample of fabric, referenced: **Mineral, Composition: 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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**AB Ludvig Svensson**

## Product Description

| | |
|---|---|
| Company Name | AB Ludvig Svensson |
| Type of Material, i.e. Curtain, Drape, etc. | Curtain, Solar control |
| Name and/or Identification of the Product Tested | Mineral |
| Mass per Unit Area ($g/m^2$) | 170 |
| Thickness (mm) | 0,5 |
| Colour and Tone (i) | White with printed pattern |
| Quantity and Number of Any Coating | |
| Method and Quantity of Fire Retardant Treatment | |
| Materials of the Product and its Composite Ratio (ii) | 100% Trevira CS |
| Composition of Weave (iii) | Knitted |
| Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and | |
| Yarn Number Count | 167/1 and 76/1 |

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

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

**Date of Test:** 22/01/15

**Cleaning Procedure**

The sample was subjected to the accelerated water leaching 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± 5°C and 65 ± 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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**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 than100mm 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 | 65 | 50 | No | No | No | No |
| | 0 | 0 | 64 | 70 | No | No | No | No |
| | 0 | 0 | 45 | 54 | No | No | No | No |
| | 0 | 0 | 41 | 56 | No | No | No | No |
| | 0 | 0 | 45 | 62 | No | No | No | No |
| Mean | 0 | 0 | 52 | 58.4 | | | | |

**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.

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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.