FIRE
TECHNOLOGY
SERVICES

Confidential Report

Our Ref: 27/03101J/04/14

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 25919969 Fax No: +44 (0)113 2780306

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FIRE TECHNOLOGY SERVICES

BTTG Testing & Certification Ltd.
Wira House
West Park Ring Road
Leeds, LS16 6QL
England

Tel: +44 (0)113 259 1999
Fax: +44 (0)113 278 0306
Web:http://www.bttg.co.uk
Email:CSLeeds@bttg.co.uk

1 May 2014

Our Ref: 27/03101J/04/14
Your Ref:

Client:	AB Ludvig Svensson SE-511 82 Kinna Sweden
Job Title:	**Fire Test on One Sample of Fabric**
Clients Order Ref:	--
Date of Receipt:	1 April 2014
Description of Sample:	One sample of fabric, referenced: **Ark 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 7.

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

Date of Test: 28/04/14

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± 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	60	60	No	No	No	No
	0	0	55	60	No	No	No	No
	0	0	50	45	No	No	No	No
	0	0	53	42	No	No	No	No
	0	0	54	51	No	No	No	No
Mean	0	0	54.4	52				

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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.