



TESTING • CERTIFICATION • AUDITING

# Confidential Report

Our Ref: 53161-1-3



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



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Date: 14 March 2017

Our Ref: 53161-1-3  
Your Ref: 1904

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Client: Kobefab International B.V.  
De Vest 62  
5555 XP Valkenswaard  
Netherlands.

Job Title: Fire Test on One Sample of Fabric

Client's Order No: 1904

Date of Receipt: 3 March 2017

Description of Sample(s): Lines FR 300cm, stated to be 100% PES FR

Work Requested: We were asked to make the following test(s):  
IMO FTP Code 2010 Part 7 (Test for Vertically Supported Textiles & Films)

- \* subcontracted test, UKAS accredited
- \*\* subcontracted test, EN ISO/IEC 17025 accredited
- \*\*\* not UKAS accredited



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## Product Description Sheet

Type of Material, i.e. Curtain, Drape, etc.	Curtains
Name and/or Identification of the Product Tested	Lines FR 300 cm
Mass per Unit Area (g/m <sup>2</sup> )	Approx. 200 g/m <sup>2</sup>
Thickness (mm)	1 mm
Colour and Tone (i)	--
Quantity and Number of Any Coating	-
Method and Quantity of Fire Retardant Treatment	Inherent Pes FR
Materials of the Product and its Composite Ratio (ii)	100% Pes FR
Composition of Weave (iii)	Jacquard yarn dyed
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	-
Yarn Number Count	-

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

### Cleaning Procedure

The sample was subjected to the 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  $20 \pm 5^\circ\text{C}$  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.

### 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:-

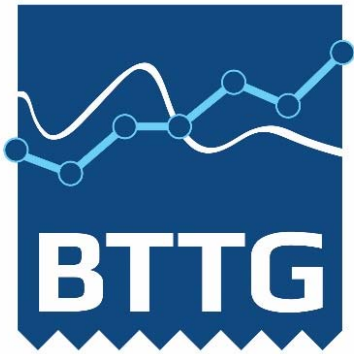
1. An after-flame time greater than 5 sec for any of the 10 or more specimens tested with surface application of the pilot flame.
2. Burn through to any edge of any of the 10 or more specimens tested with surface application of the pilot flame.
3. Ignition of cotton wool below specimen in any of the 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.



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**As Received**

	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	42	34	No	No	No	No
	0	0	34	52	No	No	No	No
	0	0	40	41	No	No	No	No
	0	0	39	40	No	No	No	No
	0	0	37	48	No	No	No	No
Mean	-	-	38	43				

**After water leaching**

	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	50	45	No	No	No	No
	0	0	45	50	No	No	No	No
	0	0	50	60	No	No	No	No
	0	0	55	70	No	No	No	No
	0	0	45	65	No	No	No	No
Mean	-	-	49	58				

**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.

Reported by: *R Ryan*  
 R Ryan (Mr)  
 Fire Technician

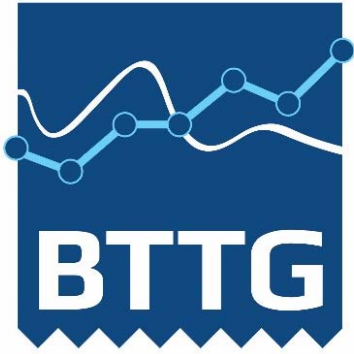
Countersigned By: *P Doherty*  
 P Doherty  
 Operational Head



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## Uncertainty Budget - Annex

The overall uncertainty budget IMO FTP Code 2010:Part 7 is as follows:-

Measurements:  $\pm 1\text{mm}$

Duration of Flaming:  $\pm 0.5$  seconds



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