



TESTING • CERTIFICATION • AUDITING

Confidential Report

Our Ref: 53007-2



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



Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
Website: www.bttg.co.uk

Date: 16 February 2017

Our Ref: 53007-2
Your Ref: 33358

Page: 1 of 5

Client: Trimproof Limited t/a Chieftain Fabrics
Wellington Place
Trim
Co. Meath
Ireland.

Job Title: Fire Test on One Sample of Fabric

Client's Order No: 33358

Date of Receipt: 3 February 2017

Description of Sample(s): Just Colour Cobalt 64306

Work Requested: We were asked to make the following test(s):
IMO FTP Code 2010 Part 8 (Upholstered Furniture)

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



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Product Description Sheet

Type of Furniture, e.g., Seat, Sofa, Office Chair, etc.;	Upholstery of furniture for marine market (seats)
Name and/or Identification of the Product Tested	Just Colour
Materials of the Product and its Composite Ratio (i)	Polyester/cotton fabric coated with plasticized polyvinyl chloride (PVC) 84.3% PVC, 15.7% polyester
Composition of Weave (ii)	48% cotton, 52% polyester/cotton
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	22 number/1cm warp 12 number/1cm weft
Yarn Number Count	20 tex
Thickness (mm)	1.10 ± 1.15mm
Mass per Unit Area (g/mm ²)	700-720g/m ²
Colour and Tone (iii)	The product is available in primary colours and pigments used have no significant impact on its quality and flammability tests
Method and Quantity of Fire Retardant Treatment	The product includes flame retardants (antimony trioxide, chloroparaffins) which are adding to plastisol (PVC) before coating process. It does not require the procedure 'water soaking' before testing flammability

- (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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Page: 3 of 5

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

Date of test: 10/2/2017

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 25m^3 and 15°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.

The specimens were mounted over fillings of standard non-FR polyurethane foam of density about $22\text{Kg}/\text{m}^3$.

Requirements

No progressive smouldering or flaming within one hour of the placement of the cigarette.

All progressive smouldering and flaming to cease within 120sec of removal of the burner tube.



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Page: 4 of 5

Results

Ignition Source	Specimen 1		Specimen 2	
	0	1	0	1
Ignition Time (secs.)	-	2	-	2
Extinction Time (Flame) (secs.)	-	1	-	1
Extinction Time (Smoke) (secs.)	DNP	-	DNP	-
Time of Cover Split (secs.)	DNS	DNS	DNS	DNS
Progressive smouldering/flaming observed	No	No	No	No
Performance	PASS	PASS	PASS	PASS

DNP – Did not propagate
ME – Manually extinguished
DNS – Material did not split
BES - Burnt to edge of specimen

EC – Escalating combustion
ES – Escalating smouldering
DNO – Did not observe time of event
BTTF – Burnt through thickness of foam

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.

Reported By:
P Doherty
Operational Head



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Page: 5 of 5

Uncertainty Budget - Annex

The overall uncertainty budget IMO FTP Code 2010:Part 8 is as follows:-

Measurements: $\pm 1\text{mm}$
Timings: ± 2 seconds



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