Fire Test Certificate – Specimen

Fabric: Coloured Wool Serge
Type: IMO

J&C Joel
Inspiration in every performance

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 July 2019

Our Ref: 56603-2
Your Ref: -

Client: J. & C. Joel Limited
Corporation Mill
Corporation Street
Sowerby Bridge
Halifax
HX6 2QQ

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Job Title: Fire Test on One Sample of Fabric

Client's Order No: 57375

Date of Receipt: 7 July 2019

Description of Sample(s): One sample of fabric, referenced;
Coloured Wool Serge IFR

Work Requested: We were asked to make the following test(s):

IMO FTP Code 2010 Part 7

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

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Product Description

Company Name	J. & C. Joel Ltd
Type of Material, i.e. Curtain, Drape, etc.	Curtain/Drapery Fabrics
Name and/or Identification of the Product Tested	Coloured Wool Serge
Mass per Unit Area (g/m^2)	Approx. 500g/m2
Thickness (mm)	2mm
Colour and Tone (i)	Red/Wine
Quantity and Number of Any Coating	None
Method and Quantity of Fire Retardant Treatment	IFR
Materials of the Product and its Composite Ratio (ii)	90% wool, 10% OF
Composition of Weave (iii)	Twill
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Not supplied by client
Yarn Number Count	Not supplied by client

(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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Client: J. & C. Joel Limited

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

Cleaning Procedure
The sample received no pre-treatment as the fabric is stated to be inherently flame retardant.

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 5 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.

If it is found that either or both of the batches of five specimens cut in both warp and weft directions fail to meet one or more of the criteria specified in subparagraphs .1 to .3 and .5 above because of poor performance of only one of the five specimens tested, one complete retest of a similar batch is permitted. Failure of the second batch to meet any of the criteria shall provide the basis for rejection of the fabric for use.

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As Received

	After flame time (s)		Char length (mm)		Flaming to edge (yes or No)		Ignition of Cotton Wool from Flaming Drops (Yes or No)		Surface Flashing (Yes or No), if yes, Propagation Length (mm)	
	Warp	Weft	Warp	Warp	Weft	Weft	Warp	Weft	Warp	Weft
	3	1	4	4	No	No	No	No	No	No
	4	2	9	6	No	No	No	No	No	No
	2	7	8	39	No	No	No	No	No	No
	3	4	12	16	No	No	No	No	No	No
	3	6	11	26	No	No	No	No	No	No
Mean	3	4	9	18						

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Comment

The results indicate the sample meets the requirements according to IMO 2010 FTP Code, Part 7.

This report relates only to the samples submitted and as described in the report.

Uncertainty of measurement has not been taken into account when presenting the test result. The relevant uncertainty value is included as an annex which forms an integral part of the report.

Reported by:.....
B Bland
Laboratory Technician

Countersigned By:.....
P Doherty
Manager

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BTTG
TESTING • CERTIFICATION • AUDITING

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Uncertainty Budget - Annex

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

Measurements:	±1mm
Duration of Flaming:	±0.5 seconds

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