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Date: 10 September 2018

Our Ref: 55391-1-1  
Your Ref: -

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

Job Title: IMO FTP Code Part 8 (test for Upholstered Furniture)

Client's Order No: -

Date of Receipt: 31 August 2018  
Date of Test Start: 04 September 2018

Description of Sample(s): One sample identified as follows was received for testing:  
  
Moresco FR

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



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**Kobefab Interntional B.V.**

Sample was identified as follows:

Moresco FR

### Product Description

Company Name	Kobefab International B.V.
Type of Furniture, e.g., Seat, Sofa, Office Chair, etc.;	Seat, Sofa, Office Chair, etc.
Name and/or Identification of the Product Tested	Moresco FR
Materials of the Product and its Composite Ratio (i)	100% Pes FR Yarns
Composition of Weave (ii)	W binding velvet
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	--
Yarn Number Count	--
Thickness (mm)	1-2mm
Mass per Unit Area (g/mm <sup>2</sup> )	Approx. 460gr/sqmtr <sup>2</sup>
Colour and Tone (iii)	--
Method and Quantity of Fire Retardant Treatment	100% Inherent Pes FR Yarns

- (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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**Kobefab Interntional B.V.**

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

**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  $25\text{m}^3$  and  $19^\circ\text{C}$ .

**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 sample was tested over combustion modified polyurethane foam with a density of approximately  $36\text{kg}/\text{m}^3$ .

**Requirements**

Ignition Source 0 No progressive smouldering or flaming within one hour of the placement of the cigarette.

Ignition Source 1 All progressive smouldering and flaming to cease within 120sec of removal of the burner tube.

**Cigarette Specification (Source 0)**

Dimensions (mm)	68mm x 8mm
Mass (g)	0.87
Smouldering Rate (mins/secs)	9.14



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Kobefab Interntional B.V.

## Results

	Specimen 1		Specimen 2	
Ignition Source	0 (Cigarette)	1 (Match)	0 (Cigarette)	1 (Match)
Ignition Time (secs.)	-	3	-	4
Extinction Time (Flame) (secs.)	-	2	-	2
Extinction Time (Smoke) (secs.)	15	15	16	17
Time of Cover Split (secs.)	4	8	4	8
Extent of Damage to Back (Length x Width)	65x20mm	20x70mm	65x20mm	25x65mm
Extent of Damage to Base (Length x Width)	65x15mm	15x15mm	65x15mm	15x15mm
Progressive smouldering/flaming observed	No	No	No	No
Performance	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

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


## Comment

In our opinion, based on the test carried out on the sample supplied; the sample meets the requirements according to IMO 2010 FTP Code, Part 8

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

Measurements: ±1mm  
Timings: ±2 seconds

Reported by:   
B Bland  
Fire Technician

Countersigned By:   
P Doherty  
Operational Head

Enquiries concerning this report should be addressed to Customer Services.



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