



**FIRE
TECHNOLOGY
SERVICES**

Confidential Report

Our Ref: 27/02809E/05/13

Notified Body
for PPE Directive,
Construction Products Directive
& 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**



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26 June 2013

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Client: Eco-Sol Ltd
Cardiff House
Cardiff Road
Barry
Vale of Glamorgan
CF63 2AW

Job Title: **Fire Test on One Sample of Fabric**

Clients Order Ref: ---

Date of Receipt: 10 May 2013

Description of Sample: One sample of fabric, referenced: **Silk 90g/m²**.

Work Requested: Fire Technology Services were requested to carry out a fire test on the sample supplied to IMO FTP Code 2010:Part 8.





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Eco-Sol Ltd

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

Date of Test: 17/06/13

Cleaning Procedure

The sample was subjected to 10 accelerated dry cleaning cycles as specified in the IMO FTP Code 2010:Part 7 Appendix 3. The sample was submitted to an external dry cleaning company.

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 18°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

<u>Ignition Source 0</u>	No progressive smouldering or flaming within one hour of the placement of the cigarette.
<u>Ignition Source 1</u>	All progressive smouldering and flaming to cease within 120sec of removal of the burner tube.





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Results

	Source 0		Source 1	
	---	---	7	8
Time of ignition(s)	---	---	7	8
Time of extinction (Flame) (s)	---	---	21	21
Time of extinction (Smoke) (s)	1437	1480	38	37
Time of cover split(s)	DNS	DNS	DNO	DNO
Melting (Yes or No)	No	No	No	No
Dripping (Yes or No)	No	No	Yes	Yes
Charring (Yes or No)	Yes	Yes	Yes	Yes
Other phenomena				
Pass/Fail	Pass	Pass	Pass	Pass

DNO Did not observe time of event
DNS Material did not split

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.





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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 8.

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*..... B Marsden (Mrs), Fire Technician

Countersigned by:.....*P. Doherty*..... P Doherty, Operational Head

Enquiries concerning this report should be addressed to Customer Services.

