

Our Ref: SW/PN/GL

10 February 2009

**Report 151648/2**

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Eco-Sol Ltd/Flametect  
Cardiff House  
Cardiff Road  
Barry  
Vale of Glamorgan  
CF63 2AW

Contact: Paul Allcock

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DATE RECEIVED	:	27 JAN 2009
REPUTED FIBRE CONTENT	:	NOT GIVEN
FABRIC DESCRIPTION	:	WOVEN
COLOUR/DESIGN	:	DIAMANTINE RUBY

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REQUEST: The Fire And Furnishings (Fire) (Safety) Regulations 1988 (S.I.No.1324)

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COMMENT: The sample submitted is classified as meeting the requirements of The Fire and Furnishings (Fire) (Safety) Regulations 1988 as both sources pass.

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**S. WISEMAN**  
**LABORATORY MANAGER**



**P. NEESAM**  
**HEAD OF FLAMMABILITY**

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**THE FIRE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988 (S.I.No.1324)**

The Regulations specify two methods of test for examining the ignitability properties of fabrics for use in domestic furniture, as defined within the Regulations, both based on “Ignitability by smokers materials of upholstered composites for seating (BS5852: Part 1:1979)”. These tests are a) the ‘cigarette’ test as modified by Schedule 4 Part 1 of the Regulations and b) the ‘match’ test as modified by Schedule 5 Part 3 of the Regulations.

**Procedure**

Prior to conditioning for subsequent flammability testing, the specimens of Diamantine Ruby fabric were subjected to a water-soaking procedure as detailed in BS5651, as amended by the Regulations. The specimens were tested using both above ignition sources, using standard non-FR polyurethane foam filling material of density approx 22kg/m<sup>3</sup>. The cigarette test is an indicative test only as this test should be performed on the upholstery composite, details of which are not always known to the fabric supplier.

**Requirements**

Ignition is considered to be initiation of combustion of the test specimen followed by sustained combustion as indicated by one of the following types of behaviour.

Concealed smouldering when dismantled 60 mins after placement of the ignition source.

Flaming initiated by the ignition source 0 (cigarette).

Flaming combustion or progressive smouldering exhibited after 60 mins for ignition source 0 and 120 secs for ignition source 1.

**Results**

The following 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.

No fabric intended to be supplied for use in domestic furniture, as defined within the Regulations, should exhibit ignition to either ignition source when tested as above.

<u>Ignition source</u>	<u>Assessment of ignition (as above)</u>	<u>Time of ignition (s)</u>	<u>Time of cover split (s)</u>	<u>Time of extinction (s)</u>	
0	Non-ignition i.e. Pass	/	/	1567	Smoke
0	Non-ignition i.e. Pass	/	/	1651	Smoke
1	Non-ignition i.e. Pass	7	*	78	Flame
1	Non-ignition i.e. Pass	10	*	46	Flame

**Further observations**

Charring observed

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**Comments**

As requested, the sample was tested over a Dacron interliner supplied by the customer.

\* = Did Not Split

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