



Date 16 December 1996

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Our Ref : 27988/10/96/H
Your Ref : DAW/def

Client: Environmental Seals Ltd
Envirograf House
Barfreston
Kent
CT15 7JG

Job Title: Fire Tests on Fabric

Client's order no:

Date of receipt: 12.11.96

Description of sample(s): One sample of fabric labelled ref.Blue/Green/Mauve Floral Pattern. Received from Sanderson's Treated with Envirograf 321 Washable.

Work requested: BS 5852 part 1

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Barfreston

**STATUTORY INSTRUMENT NO.1324 CONSUMER PROTECTION
THE FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988
(SI No 2358 Amendment 1989)**

Date of Test : 29.11.96

Conditioning

Immediately prior to testing the sample was placed in indoor ambient conditions for 72 hours and then conditioned in the standard atmosphere for conditioning textiles (BS 1051:1981) of $65 \pm 2\%$ r.h. and $20 \pm 2^\circ\text{C}$.

The sample was tested in a room of volume 25m^3 and 17°C .

Procedure

The sample was tested in accordance with Schedule 4 Part I and Schedule 5 Part I of the above regulations.

The specimens were mounted over fillings of standard non FR polyurethane foam of density about 22Kg/m^2 .

Tests were made in accordance with BS 5852 part 1 using ignition sources 0 and 1.

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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.

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.

They also only relate to the materials tested. They do not guarantee to represent the performance of production materials.

<u>Ignition Source</u>	<u>Pass/Fail</u>
0	Pass
0	Fail
1	Pass
1	Pass

Comments

The specimens were tested after a water soaking procedure specified in clauses 4.2 to 4.5 of BS 5651, save that for the second sub clause of clause 4.5 there shall be substituted the following:-

"After 30 minutes, remove the specimen, rinse in water using a liquor ratio of 1:20 for 2 minutes, and then dry the specimen by any method suitable for the fabric type".



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During testing the following was noted:-

	<u>Source 0</u>		<u>Source 1</u>	
Time of ignition(s)	0	0	7	8
Time of extinction(s)	0	0	20	20
Time of cover split(s)	Did not split		36	34
Melting (yes or no)	No	No	No	No
Dripping (yes or no)	No	No	No	No
Charring (yes or no)	Yes	Yes	Yes	Yes
Other phenomena	- Progressive smouldering occurs		-	-

Comments

The material was sampled in accordance with the BTTG Internal Flammability Procedure F1.

The source 1 tests were assessed in accordance with the NAMAS Technical Policy Statement 14.

The information contained on page no's 1/4 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by Wira Testing Services on the materials referred to.

Signed.....*CTJ*.....Date. 16.12.96.....

C.T. Johnson, Head of Fire Testing

CTJ/MM 8272h.rep

Enquiries concerning the technical content of this report should be addressed to the Head of the reporting laboratory named above.

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