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- b) tests marked "Not UKAS accredited" in this report are not included in the UKAS Accreditation Schedule for our laboratory, either due to the work not conforming fully to the standard (e.g. reduced number of specimens) or to it being outside the scope of our accreditation, or subcontracted.

## **TERMS AND CONDITIONS**

All test reports are confidential to the client and will not be issued by us to any third party without the client's written authorization.

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Results quoted on reports refer only to the samples submitted and the client is advised to ensure that a sufficiently representative and sufficiently large sample, securely packaged and identified, is sent for examination. Samples will be retained by the laboratory for not more than 6 months from the date of issue of the final report, unless otherwise expressly instructed by the client.

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Prices are based either on the normal member and non-member rates of charge currently in operation, or on agreed fixed charges, or in the case of investigational work on an agreed hourly rate. Quoted prices are strictly net and payment is due within 30 days of date of invoice.

A copy of our full terms of business is printed in our Testing and Analytical Services Handbook and additional copies are available on request.

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**Ref:** 6082/5/STC004

Page 1 of 2

**Date:** 9 March 2001**Client:** Mainstage Presentation Technology Ltd  
Sharpes Mill  
White Cross  
Lancaster  
LA1 4XQ**Job title:** Flammability testing of one woven fabric**Client's order or ref no:** Letter 14 February 2001**Date of receipt:** 16 February 2001**Description of sample(s):** One woven fabric  
Reference 100% Hessian fabric treated with MSL Firecheck**Work requested:** Flammability testing according to BS 5867: Part 2: 1980  
Type B performance requirements

The test method in this report is UKAS accredited. Any opinion, interpretation or comments expressed in this report are outside the scope of UKAS accreditation.



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1066

**Ref:** 6082/5/STC004 Page 2 of 2  
**Client:** Mainstage Presentation Technology Ltd  
**Sample:** One woven fabric  
 Reference 100% Hessian fabric treated with MSL Firecheck  
**Test Method:** BS 5438: 1976 Test 2  
 Flame application time = 15s  
**Performance Standard:** BS 5867: Part 2: 1980 Type B performance requirements  
**Pretreatment:** None (tested in the "as received" condition)

**Summary of Results:**

"The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration."

Specimen	1↑	2↓	3↑	4→	5←	6→
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris	No	No	No	No	No	No
Duration of flaming, s	0	0	0	0	0	0
Duration of afterglow, s	0	0	0	0	0	0
Vertical hole size, mm	0	0	0	0	0	0
Horizontal hole size, mm	0	0	0	0	0	0

**Assessment:**

Tested in the "as received" condition this fabric complies with the Type B performance requirements of BS 5867: Part 2: 1980.

Note in connection with BS 5867: Part 2: 1980 clause 4 - Durability

This fabric is treated with a nonwashable flame agent and has not been subjected to any cleansing procedure prior to testing. Therefore, as specified in clause 4.1 the fabric must be clearly labelled: IF WETTED IN ANY WAY IT IS ESSENTIAL TO RE-TREAT THE FABRIC TO MEET FLAMMABILITY REQUIREMENTS.

**Reported by:** ..... *M T Healey* ..... M T Healey  
**Countersigned:** ..... *A Didycz* ..... A Didycz

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Ref: 60827/STC004 Page 2 of 3

Client: Mainstage Presentation Technology Ltd

Sample: One woven fabric  
Reference 100% Hessian fabric treated with MSL Firecheck

Pretreatment: None (tested in the "as received" condition)

Test Method: BS 5852: 1990 Section 4 (upholstery composite)  
Ignition Source 5 (flaming wood crib)  
Large test rig

Foam Filling: Vitafoam CMHR35 combustion modified foam (35kg/m<sup>3</sup>)

**Summary of Results:**

Conditioning: Minimum of 72 hours in indoor ambient conditions followed by at least 16 hours at a temperature of  $20 \pm 5^{\circ}\text{C}$  and a relative humidity of  $50 \pm 20\%$

"The following test results relate only to the ignitability of the combination of upholstery composites (section 4 of BS 5852: 1990) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use."

**Note in connection with BS 7176: 1995 clause 4.2 - Durability**

This fabric is treated with a non-wettable flame agent and has not been subjected to any water soaking procedure prior to testing. Therefore, the fabric must be clearly labelled:  
**IF WETTED IN ANY WAY IT IS ESSENTIAL TO RE-TREAT THE FABRIC TO MEET FLAMMABILITY REQUIREMENTS.**

Results obtained – see Page 3

**Ref:** 6082/7/STC004

Page 1 of 3

**Date:** 1 May 2001**Client:** Mainstage Presentation Technology Ltd  
Sharpes Mill  
White Cross  
Lancaster  
LA1 4XQ**Job title:** Ignitability testing of one woven fabric**Client's order or ref no:** Letter 14 February 2001**Date of receipt:** 16 February 2001 and 12 April 2001**Description of sample(s):** One woven fabric  
Reference 100% Hessian fabric treated with MSL Firecheck**Work requested:** Ignitability testing to BS 5852: 1990

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Ref: 6082/7/STC004

Page 3 of 3

Client: Mainstage Presentation Technology Ltd

Sample: One woven fabric  
Reference 100% Hessian fabric treated with MSL Firecheck

**Summary of Results:**

	Test 1	Test 2
Specimen ignited at	54s	1 min 3s
Flaming ceased at	5mins 19s	4mins 45s
Smoking ceased at	5mins 19s	4mins 45s
Extent of damage to backrest, mm	90x320x50mm	100x380x40mm
Extent of damage to seat, mm	90x80x35mm	100x80x30mm
<b>Progressive smouldering ignition</b>		
Unsafe escalating combustion? (Yes/No)	No	No
Test specimen consumed? (Yes/No)	No	No
Smoulders through thickness or to extremities? (Yes/No)	No	No
Smoulders more than 60 mins? (Yes/No)	No	No
Smoulders more than 100mm from source? (Yes/No)	No	No
<b>Flaming ignition</b>		
Unsafe escalating combustion? (Yes/No)	No	No
Test specimen consumed? (Yes/No)	No	No
Flaming to extremities? (Yes/No)	No	No
Flaming through thickness? (Yes/No)	No	No
Flaming for more than 10 mins? (Yes/No)	No	No
Flaming debris causing isolated floor fire? (Yes/No)	No	No
<b>Overall result</b>		
NI = non-ignition (i.e. "pass" result)	NI/5	NI/5
I = ignition (i.e. "fail" result)		

**Assessment:**

This fabric (tested in the "as received" condition over Vitafoam CMHR35 combustion modified foam) complies with the ignition resistance requirements of BS 5852: 1990 for ignition source 5 (flaming wood crib).

Reported by: M T Healey M T Healey

Countersigned by: A Didycz A Didycz

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