



TEXTILE LABORATORY SERVICES LIMITED

P.O. Box 50, Wharfebank Business Centre, Ilkley Road, OTLEY, LS21 3XD, United Kingdom

Tel: +44 (0)1943 850967 Fax: +44 (0)1943 850965 Email: info@tls-ltd.demon.co.uk

Regd. Office: 3 Victoria Road, Guiseley, England - No.1966147



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TEST CERTIFICATE

31278/1

SAMPLE INFORMATION

Client **Ab Ludvig Svensson**
Bangatan 8
SE-511 82 Kinna
SWEDEN.

Fabric Reference **Happy, stated to be 100% Trevira CS**
Descriptions are information
supplied by the client

Dimensions (approx) **250cm by 150cm full width**
Sample received **27/9/2012**

Testing to Clause 11 of BS 5852 : 2006 Assessment of the ignitability of upholstered seating by Smouldering and Flaming sources - Source 5 (Crib 5)

PRE-TREATMENT

The material was subjected to a water soak according to Annex E of BS 5852 : 2006

CONDITIONING

All materials used were conditioned and tested in the environments specified in Clause 10.1 of BS 5852 : 2006

TESTING

Test results relate only to the sample tested. The material was tested according to **BS 5852 : 2006 Methods of test for the ignitability of upholstered composites for seating by flaming sources using Source 5 (Crib 5)**

Foam used:

The sample was tested over combustion modified polyurethane foam with a density of approximately 36kg/m³, reference SB36/140

It should be noted that the results of BS 5852 ; Part 2 : 1982 relate only to the ignitability of the combination of materials under test; they are not intended as a means of assessing the full potential fire hazard of the materials in use

The test results are shown in the tables below:



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Specimen no	1	2
Duration of:		
Ignition source	7'20"	7'28"
Flames	3'03"	3'52"
Smoke	7'20"	7'28"
Time from start of:		
Cover split	1'12"	42"
Extinction	7'20"	7'28"
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Progressive smouldering on final inspection	No	No
Extent of damage (mm)		
Horizontal component		
Width - left crib edge to left edge of burn	50	60
Width - right crib edge to right edge of burn	50	60
Width - front crib edge to front edge of burn	45	65
Depth	40	60
Vertical component		
Width - left crib edge to left edge of burn	55	40
Width - right crib edge to right edge of burn	55	40
Depth	60	60
Max char distance	60	65
Smouldering criteria		
Unsafe escalating combustion	No	No
Testing assembly consumed	No	No
Smoulders to extremities	No	No
Smoulders through thickness	No	No
Smoulders more than 1 hour	No	No
Char more than 100mm from source edge	No	No

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Specimen no	1	2
Flaming criteria		
Visible flames after 10 mins	No	No
Escalating flaming combustion	No	No
Testing assembly consumed	No	No
Flames to extremities	No	No
Flames through thickness	No	No
Progressive smouldering on final inspection	No	No

(All distance criteria exclude vertical)

Any "Yes" in smouldering or flaming criteria = Ignition

Specimen result (Ignition or Non-ignition)	Non-Ignition	Non-Ignition
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CONCLUSION

Since both specimens show Non-ignition the combination of materials is designated NI/5 (ie PASS)

Signed: 

Checked by: .....

J. M. Brown C Chem MRSC C Text FTI
Managing Director & Authorised Signatory

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