

## TEXTILE LABORATORY SERVICES LIMITED

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

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# **TEST CERTIFICATE**

31357/1

#### SAMPLE INFORMATION

Client Ab Ludvig Svensson

Bangatan 8 SE-511 82 Kinna SWEDEN.

Fabric Reference

Key, stated to be 100% Trevira CS

Descriptions are information supplied by the client

Dimensions (approx) 250cm by 140cm full width

Sample received 8/10/2012

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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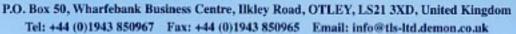
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Specimen no	1	2
Duration of:	2440	
Ignition source	9'10"	8'34"
Flames	6'36"	5'55"
Smoke Time from start of:	9'10"	8'34"
	1157	220.422
Cover split	1'56"	2'04"
Extinction	9'10"	8'34"
Melting	Yes	Yes
Dripping	Yes	Yes
Charring Progressive amouldaring on final inspection	Yes No	Yes No
Progressive smouldering on final inspection	NO	NO
Extent of damage (mm)		
Horizontal component		
Width - left crib edge to left edge of burn	70	70
Width - right crib edge to right edge of burn	70	70
Width - front crib edge to front edge of burn	80	100
Depth	60	65
Vertical component		
Width - left crib edge to left edge of burn	70	65
Width - right crib edge to right edge of burn	70	65
Depth	73	74
Max char distance	80	100
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

### **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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