



TEXTILE LABORATORY SERVICES LIMITED

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

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



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TEST CERTIFICATE

29130/1

SAMPLE INFORMATION

Client **Macflex International Limited**
Macflex House
Hill Farm
Upper Heyford
Northants
NN7 3NB

Fabric Reference **Order No. 18350, Mac 189/Portus 140cm smooth grained effect**
Descriptions are information **crib 5 vinyl - Black**
supplied by the client

Dimensions (approx) **200cm by 140cm full width**

Sample received **29/9/2011**

Testing to Section 4 of BS 5852 : 1990 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 BS 5651 : 1989 clause 3

CONDITIONING

All materials used were conditioned and tested in the environments specified in Clause 5 of BS 5852 : 1990 Methods of test for the ignitability of upholstered composites for seating by flaming sources.

TESTING

Test results relate only to the sample tested. The material was tested according to **BS 5852 : 1990 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	7'42"	7'44"
Flames	3'59"	3'48"
Smoke	7'42"	7'44"
Time from start of:		
Cover split	Observed on final inspection	Observed on final inspection
Extinction	7'42"	7'44"
Melting	No	No
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	20	30
Width - right crib edge to right edge of burn	20	30
Width - front crib edge to front edge of burn	20	20
Depth	25	25
Vertical component		
Width - left crib edge to left edge of burn	20	25
Width - right crib edge to right edge of burn	20	25
Depth	25	25
Max char distance	25	30
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: 

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

Checked by: 