



Textiles F.R. Limited incorporating **Perrotts**
Flame Retardancy Finishers & Consultants

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Test Report & Certificate

UKAS TESTING LABORATORY No.1413

British Standard Flammability Test Document: 17789 Page 1 of 1
Duplicate Document 1

BS5852:2006:Source 5 Wooden Crib Source 5

Customer Account: UNI003	Order Details
UNIROYAL ENGINEERED	TFR Order No : 209101
PRODUCTS	Customer Order : UNIROYAL ENGINEERED
STOUGHTON	Order Date : 28/08/2013
WI	Fabric Description : SPIRIT MILLENIUM
	Fabric Composition :
	Quantity (metres) : 2.0

Sample Conditioning : Test specimens were maintained for at least 72 hours at indoor ambient temperature & humidity prior to introduction to the conditioning room for 24 hours with an environment of 23°C +/- 2°C and Relative Humidity 50% +/- 5%

Test Enclosure Conditions : Temperature 23 °C Relative Humidity 52 %

Cleansing Procedure : None Specified

Sample Treatment : Sample tested in an as received state

Filling materials used in composite : Combustion modified foam (approximate density 35Kg/cubic metre)

Test Procedure:
 The test sample of dimension 1100mm (warp) x 650mm (weft) was exposed to an ignition source 5 wooden crib (placed between the test assembly seat & back). Observations were made of any combustion activity.

Report Notes:
 The following results relate only to the ignitability of the combination of upholstery composites (section 4 of BS5852:2006) 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.

OBSERVATIONS	Rep1	Rep2	MEASUREMENTS	Rep1	Rep2
Unsafe escalating combustion:	No	No	Sample ignition (sec):	51	56
Test assembly consumed :	No	No	Flame extinction (sec):	247	379
Smoulders to extremities :	No	No	Cover split (sec):	90	98
Smoulders through thickness :	No	No	Seat width damage (mm):	80	100
Smoulders more than one hour:	No	No	Seat length damage (mm):	65	80
Charring >100mm (except up) :	No	No	Seat depth damage (mm):	20	25
Flames for >10 minutes :	No	No	Back width damage (mm):	85	90
Flames to extremities :	No	No	Back depth damage (mm):	40	30
Flames through thickness :	No	No			
Melting :	No	No			
Dripping :	No	No			
Charring :	Yes	Yes			

Comments:

COMPLIANCE REQUIREMENTS: No escalating smouldering or flaming combustion behaviour so that it is unsafe to continue the test and forcible extinction is required. The specimen should not essentially be consumed or smoulder or flame to its side extremities or to its full depth. No detectable smoke, heat or glowing 60 minutes after ignition of the crib. No charring within the filling more than 100mm in any direction apart from upward from the nearest point of the ignition source. All flaming should cease within 10 minutes after ignition of the crib. No isolated floor fires originating from specimen debris.

Specimen complied with the requirements for BS5852:2006:Source 5
 Non-ignition condition (any smouldering or flaming met compliance requirements)

Conducted by : Mr.P. TAYLOR Date 18/09/2013
 Laboratory Technician

Authorised by: Miss K. BUTTON Date 18/09/2013
 Office Manager

