

FRONTIER MEDICAL SCREENS LOW HAZARD CERTIFICATE



01733 511030
sales@xldisplays.co.uk

FLAMMABILITY TEST CERTIFICATE – 70505 Amended

COMPANY DETAILS: CAMIRA FABRICS LTD
MELTHAM MILLS, MELTHAM
WEST YORSHIRE, HD9 4AY

CONTACT NAME(S): KATY LONGSTAFF
TEL: 01924 481 368
EMAIL: katy.longstaff@camirafabrics.com

DATE RECEIVED: 05/10/2018
DATE TESTED: 16/10/2018
DATE ISSUED: 03/12/2018
PO NUMBER: 938

SAMPLE DESCRIPTION: VITA (C)
COLOUR: AMERICANO
QUALITY/BATCH REF: VITA (C)
MODEL REF: CALL 8348
COMPOSITION: NOT STATED
SAMPLE END USE: SEATING
MANUFACTURER: NOT STATED
SUPPLIER/BUYER: NOT STATED

SPECIFICATION/REQUIRMENT:

BS 7176:2007+A1:2011 – Specification for the resistance to ignition of upholstered furniture for non-domestic seating by testing composites. (Medium Hazard)

TEST METHOD(S):

BS EN 1021-1:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Ignition source smouldering cigarette.

BS EN 1021-2:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Ignition source match flame equivalent.

BS 5852:2006 – Methods of test for the assessment of the ignitibility of upholstered seating by smouldering and flaming ignition sources.

PRE-TREATMENT:

Water Soak procedure in accordance with Annex D of BS EN 1021-1:2006 & Annex E of BS 5852:2006

CONDITIONING:

The sample was conditioned for 72 hrs in ambient conditions then for at least 24 hrs in a specified atmosphere at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 5\%$ r h.

Authorised By:



Zeb Alam
Operations Director

Mark Jones
Quality Manager

Karen Brooks
Managing Director

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TEST RESULTS:

“The Following test results relate only to the ignitibility of the combination of the materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.”

TEST CRITERIA – 1021-1 (CIGARETTE TEST)	INITIAL TEST	REPEAT TEST
FILLING MATERIAL USED:	CMHR 35	CMHR 35
Smouldering ceased	FAILED TO SMOULDER	FAILED TO SMOULDER
PROGRESSIVE SMOULDERING CRITERIA (3.1)		
Unsafe escalating combustion (3.1a)	N	N
Smoulders to extremities (3.1b)	N	N
Smoulders through thickness (3.1c)	N	N
Smoulders for more than 1 hr (3.1d)	N	N
Presence of active smouldering on final examination? (3.1e)	N	N
Evidence of melting, charring, dripping?	Melting: <input checked="" type="checkbox"/>	Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/>
FLAMING CRITERIA (3.2)		
Cover Split?	N	N
Occurrence of flames?	N	N
TEST RESULT	PASS	PASS

TEST CRITERIA – 1021-2 (MATCH TEST)	1 st Test	2 nd Test	3 rd Test
FILLING MATERIAL USED:	CMHR 35	CMHR 35	CMHR 35
Flaming ceased	0.0	0.0	0.0
PROGRESSIVE SMOULDERING CRITERIA (3.1)			
Unsafe escalating combustion (3.1a)	N	N	N
Smoulders to extremities (3.1b)	N	N	N
Smoulders through thickness (3.1c)	N	N	N
Smoulders for more than 1 hr (3.1d)	N	N	N
Evidence of melting, charring, dripping?	Melting: <input checked="" type="checkbox"/>	Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/>	
FLAMING CRITERIA (3.2)			
Unsafe escalating combustion (3.2a)	N	N	N
Test assembly consumed (3.2b)	N	N	N
Flaming to extremities and thickness (3.2c) (3.2d)	N	N	N
Flaming continued for more than 120 seconds	N	N	N
Cover split?	N	N	N
TEST RESULT	PASS	PASS	PASS

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TEST RESULTS continued:

TEST CRITERIA – BS 5852:2006 Source 5	INITIAL TEST	REPEAT TEST
Flaming Ceased:	04.02	04.26
PROGRESSIVE SMOULDERING CRITERIA (4.1)		
FILLING MATERIAL USED:	CMHR 35	CMHR 35
b) Detectable amounts of smoke, heat or glowing 60 mins after crib ignition?	N	N
c) Displays unsafe escalating combustion, requires to be forcibly extinguished?	N	N
d) Smouldering consumed the test specimen within the duration of the test?	N	N
e) Smoulder to the extremities i.e. upper or lower margins, either side or to its full thickness?	N	N
f) On final inspection, any evidence of charring more than 100 mm in any direction (apart from upwards) from the original nearest position?	N	N
FLAMING CRITERIA (4.2)		
b) Flaming continued for more than 10 minutes after the ignition of the crib?	N	N
c) Displays unsafe escalating combustion, requires to be forcibly extinguished?	N	N
d) Flaming and/or smouldering consumed the test specimen within the duration of the test?	N	N
e) Flame front reaches the lower margin, either side or passes through the full thickness?	N	N
TEST RESULTS	PASS	PASS

CONCLUSION:

The sample supplied **meets** the test criteria of BS 7176:2007 + A1:2011 (Medium Hazard)

END OF REPORT