

Received:09/11/2006 **Completed:**09/14/2006 **Letter:** D

96-D Allen Boulevard Farmingdale, New York 11735-5626 USA Tel. +1 (631) 293-8944 Fax +1 (631) 293-8956 e-mail: info@govmark.com

Test Report #:

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2-64134-0-

Client's Identificatio	Busma	rk V4	00 FW (Omagua A		x 7						
	n		001.00	Spaque A	-58 90PF\	N						
Tested For:	Joann [Dupre						Key Test	t: ASTM E	E 162		495
	Flexcon											
				k, Office	#4				1 - (508) - (508)		Ext:	
	Spencer,	MA U	1302-20	42				гах	: 1-(508)-	003-0399		
Category:	Radiant	t Pane	1	Spec	cifier: 5	Fransit Gui	ideline	s & Regs		PC: 24H+N	МЕ	
APPROXIMAT	'E THICI	KNESS	OF MAT	ERIAL (as measu	ured by Gov	/mark):	0.001	п			
TEST PERFC Radiant He				- Stand	lard Test	t Method fo	or Surf	ace Flam	mability	of Materi	ials Using a	
			-					-			plate 0.06: os substitut	
test perio downward p	od an ig progress The co	gnitin sion o	ng flam of the	ne impir flame f	nges at f Front. 7	the top of The heat gi	the sp iven of	ecimen. f by the	Visual burning	observatio specimen	eginning of on is made c is automati ults in a Fl	f the cally
										Flaming		
RESILTS:	Flar	ne Pro	aressi	on (mm)	aa)	Net			Flame	Dripping		
RESULTS:	Flar	me Pro	gressi	on (mm:	ss)	Net Stack			Flame Spread	Dripping or Flamir		
	3.0"	6.0"	9.0"	12.0"	15.0"	Stack Rise°C	Q	FS	Spread Index	Dripping, or Flamir Running (yes/no)	ng	
		6.0"				Stack	Q 4.0	FS 1.6	Spread	Dripping, or Flamir Running (yes/no)	ng	
Specimen	3.0"	6.0"	9.0"	12.0"	15.0"	Stack Rise°C 			Spread Index 	Dripping, or Flamir Running (yes/no)	ng	
Specimen 1	3.0" 01:48	6.0" FN FN	9.0" FN	12.0" FN	15.0" FN	Stack Rise°C 16.6	4.0	 1.6	Spread Index 6.4	Dripping, or Flamir Running (yes/no) 	ng	
Specimen 1 2	3.0" 01:48 FN	6.0" FN FN FN	9.0" FN FN	12.0" FN FN	15.0" FN FN	Stack Rise°C 16.6 14.2	4.0 3.4	1.6 1.0	Spread Index 6.4 3.4	Dripping, or Flamir Running (yes/no) No No	ng	
Specimen 1 2 3	3.0" 01:48 FN 01:40	6.0" FN FN FN	9.0" FN FN FN	12.0" FN FN FN	15.0" FN FN FN	Stack Rise°C 16.6 14.2 23.0	4.0 3.4 5.5	 1.6 1.0 1.6	Spread Index 6.4 3.4 8.8 5.4 	Dripping, or Flamir Running (yes/no) No No No	ng	
Specimen 1 2 3 4 ABBREVIATI F = Flash	3.0" 01:48 FN 01:40 01:49 CONS USH	6.0" FN FN FN FN FN ED:	9.0" FN FN FN FN	12.0" FN FN FN FN	15.0" FN FN FN FN	Stack Rise°C 16.6 14.2 23.0 14.2	4.0 3.4 5.5	1.6 1.0 1.6 1.6	Spread Index 6.4 3.4 8.8 5.4 	Dripping, or Flamir Running (yes/no) No No No	ng	
Specimen 1 2 3 4 ABBREVIATI F = Flash FN = Flame CALCULATIC Etera boar	3.0" 01:48 FN 01:40 01:49 CONS USH ded beyone front CONS FACTOR	6.0" FN FN FN FN ED: cond be did n	9.0" FN FN FN FN Snchmar	12.0" FN FN FN FN FN	15.0" FN FN FN FN	Stack Rise°C 16.6 14.2 23.0 14.2	4.0 3.4 5.5	1.6 1.0 1.6 1.6	Spread Index 6.4 3.4 8.8 5.4 	Dripping, or Flamir Running (yes/no) No No No	ng	
Specimen 1 2 3 4 ABBREVIATI F = Flash FN = Flame CALCULATIC Etera boar Beta: 23.	3.0" 01:48 FN 01:40 01:49 CONS USE ded beyond front ON FACTO rd correct 83	6.0" FN FN FN FN ED: cond be did n	9.0" FN FN FN FN enchmar	12.0" FN FN FN FN Sk. ach this	15.0" FN FN FN FN	Stack Rise°C 16.6 14.2 23.0 14.2	4.0 3.4 5.5	1.6 1.0 1.6 1.6	Spread Index 6.4 3.4 8.8 5.4 	Dripping, or Flamir Running (yes/no) No No No	ng	
2 3 4 ABBREVIATI F = Flash FN = Flame CALCULATIC Etera boar Beta: 23.	3.0" 01:48 FN 01:40 01:49 CONS USE ded beyond front ON FACTO rd correct 83	6.0" FN FN FN FN ED: cond be did n	9.0" FN FN FN FN enchmar	12.0" FN FN FN FN Sk. ach this	15.0" FN FN FN FN S benchma	Stack Rise°C 16.6 14.2 23.0 14.2	4.0 3.4 5.5	1.6 1.0 1.6 1.6	Spread Index 6.4 3.4 8.8 5.4 	Dripping, or Flamir Running (yes/no) No No No	ng	

P.O.#: 000268984 0

rb



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			1					
Received:09/1	1/2006 Completed:09/	14/2006 Letter: D	rb	P.O.#: 0	00268984 0	Test Report #:		2-64134-0-
Client's Identification	Busmark V 400 FW C	Dpaque A-58 90PFW						
Tested For: J	oann Dupre				Key Test: AST	M E 162		495
F	lexcon Co, Inc							
1	Flexcon Industrial Parl	k, Office #4			Tel: 1-(50	08)-885-8247	Ext:	
S	pencer, MA 01562-264	42	Fax: 1-(508)-885-8399					
	Off Gas	Flame Front	Fla	ming		Flame on		
	Ignition	Ignition at	Out		Test End	Test Floor		
Specimen #	(yes/no)	(mm:ss)		n:ss)	(mm:ss)	(yes/no)		
				·				
1	No	01:18	0	:54	07:00	No		
2	No	01:45	0	:52	07:00	No		
3	No	01:15	0	:48	07:00	No		
4	No	01:29	01	:58	07:00	No		
ACCEPTANCE	CRITERIA: For pa	nels*, seats, mattr	ess i	frames				
1 17]	Onwood Indon abo	1] not owned 25						
	e Spread Index sha ng dripping, or f	laming running is n	ot pe	ermitted	l .			
	s include: Walls ws, and light dif	, ceilings, partiti fusers)	on ta	ables &	shelves, HVAC	ducting,		
SPECIFIERS:								
	al Railroad Admin al Register Notic	istration Test Proc e dated 6/25/02	edure	es & Per	formance Crit	eria,		
	Recommended Fire t #90-A published	Safety Practices fo . 10/20/93	r Tra	ansit Bu	s & Van Mater	ials Selection		
3. Amtra	c Specification #	352 Section 3.5 dat	ed 1,	29/90				
4. NFPA	130 Section 4.2.4	Interior Fire Prop	agat:	on Resi	stance			
CONCLUSION:	Based on the ab	ove Results and Acc	eptar	nce Crit	eria, the ite	m tested:		
[x] Comp	olies	[]	Does	s not co	omply			
CERTIFICATI	ON: I certify th	at the above result	s wei	re obtai	ned after tes	ting specimens	in acc	ordance
with the pr	ocedures and equi	pment specified by	ASTM	E 162.				
AUTHORIZED	STONATURE							
		c /id						
THE GOVMARN	ORGANIZATION, IN	. / Ju	(т	Page 2 c	(f 2)			
			(1	uye z C	·			

The results contained in this report relate only to item(s) tested. The test report shall not be reproduced, except in full, without written approval from The Govmark Organization, Inc.



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Receiveu.09/11/2000 C	ompleted:09/18/200	6 Letter: D1	rb P.O.#:	000268984 0	Test Report #:	2-64134-1-
Client's Busmark	V 400 FW Opaque	e A-58 90 PFW				
Tested For: Joann Du	upre			Key Test:	ASTM E 662	465
Flexcon C	·					
	Industrial Park, Offic IA 01562-2642	ce #4			1-(508)-885-8247 1-(508)-885-8399	Ext:
		-				_
Category: Smoke De	ensity	Specifier: T	ransit Guidel	Lines/Regs.	PC: 24H+ME	
APPROXIMATE THICKN	JESS OF MATERIAL	(as measure	d by Govmark): 0.001"		
TEST PERFORMED: A Solid Materials (N Criteria")			-	-	=	
CIICEIIA /						
ciiteila)			Flaming		Flaming	
RESULTS:			Dripping,		Dripping,	
RESULTS:		Elemina	Dripping, or Flaming	Non	Dripping, or Flaming	
RESULTS: Specific Optical Density at:	Specimen #	Flaming Mode	Dripping, or Flaming Running** (yes/no)	Flami: Mode	Dripping, or Flaming ng Running ** (yes/no)	
	Specimen # 1	-	Dripping, or Flaming Running**	Flami	Dripping, or Flaming ng Running ** (yes/no)	
RESULTS: Specific Optical Density at:		Mode	Dripping, or Flaming Running** (yes/no)	Flamin Mode	Dripping, or Flaming ng Running ** (yes/no)	
RESULTS: Specific Optical Density at:	1	Mode 1 1 1	Dripping, or Flaming Running** (yes/no) No	Flami: Mode 0 0 0	Dripping, or Flaming ng Running ** (yes/no) No No No No	
RESULTS: Specific Optical Density at:	 1 2	Mode 1 1 1 	Dripping, or Flaming Running** (yes/no) No No No	Flamin Mode 0 0	Dripping, or Flaming ng Running ** (yes/no) No No No No	
RESULTS: Specific Optical Density at:	1 2 3	Mode 1 1 1 	Dripping, or Flaming Running** (yes/no) No No No	Flami: Mode 0 0 0	Dripping, or Flaming ng Running ** (yes/no) No No No No	
RESULTS: Specific Optical Density at: 90 Seconds:	1 2 3 Avg:	Mode 1 1 1 1	Dripping, or Flaming Running** (yes/no) No No No No	Flamin Mode 0 0 0 0 2 7g: 0	Dripping, or Flaming ng Running ** (yes/no) No No No No	
RESULTS: Specific Optical Density at: 90 Seconds:	1 2 3 Avg: 1	Mode 1 1 1 1 21	Dripping, or Flaming Running** (yes/no) No No No No No	Flamin Mode 0 0 0 7 7	Dripping, or Flaming ng Running ** (yes/no) No No No No -	
RESULTS: Specific Optical Density at: 90 Seconds:	1 2 3 Avg: 1 2	Mode 1 1 1 21 15	Dripping, or Flaming Running** (yes/no) No No No No No No	Flamin Mode 0 0 0 7 7 6	Dripping, or Flaming ng Running ** (yes/no) No No No - -	

NOTE: An asterisk (*) next to a result indicates that the value is lower than the earlier value as a result of a correction for particle deposits on the glass which is part of the optical system.

REMARKS: Specimens (with self adhesive backing) were mounted to a steel plate 0.06" thick.

ACCEPTANCE CRITERIA: For panels***, seat frames & shrouds, mattress frames --

	Specific Density	Specific Density
	at 90 seconds	at 4 minutes
Flaming Mode:	100 maximum	200 maximum
Non Flaming Mode:	100 maximum	200 maximum

Flaming dripping, or flaming running is not permitted.

(*** Panels include: Walls, ceilings, partition tables & shelves, HVAC ducting, windows, and light diffusers)

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Received: 09/11/2006 Completed: 09/18/2006 Letter: D1	rb	P.O.#: 000268984 0		Test Report #:	2-64134-1-		
Client's Busmark V 400 FW Opaque A-58 90 PFW Identification							
Tested For: Joann Dupre	Key Test: ASTM E 662 4						
Flexcon Co, Inc 1 Flexcon Industrial Park, Office #4 Spencer, MA 01562-2642				8)-885-8247 8)-885-8399	Ext:		
SPECIFIERS:							
1. Federal Railroad Administration Test Procedu: Federal Register Notice dated 6/26/02	res &	2 Performance Cri	teria				
 UMTA Recommended Fire Safety Practices for Tr Docket #90-A published 10/20/93 	ransi	t Bus & Van Mate	rials	Selection			
3. Amtrac Specification #352 Section 3.5 dated 3	1/29/	90					
4. NFPA 130 Section 4.2.4 Interior Fire Propaga	tion	Resistance					
(** Flaming dripping or flaming running are not normally reported during this test. However, the acceptance criteria established by the transportation industry require this additional reporting category.)							
CONCLUSION: Based on the above Results and Acce	eptar	nce Criteria, the	item	tested:			
[x] Complies; [] Does not comply							
CERTIFICATION: I certify that the above results with the procedures and equipment specified by a					in accordance		
AUTHORIZED SIGNATURE THE GOVMARK ORGANIZATION, INC. /jd							
	(1	Page 2 of 2)					

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