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Received: 11/15/2006 Completed: 11/17/2006 Letter: G rb P.O.#: 000272011 0 Test Report #: 2-65122-0-

Client's Identification: FLEXmark BILBRD BWV

Tested For: **Joann Dupre** Key Test: ASTM E 162 495
 Flexcon Co, Inc
 1 Flexcon Industrial Park, Office #4 Tel: 1-(508)-885-8247 Ext:
 Spencer, MA 01562-2642 Fax: 1-(508)-885-8399

Category: Radiant Panel Specifier: Transit Guidelines & Regs. PC: 24H+ME

APPROXIMATE THICKNESS OF MATERIAL (as measured by Govmark): 0.003"

TEST PERFORMED: ASTM E 162 - Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source

SPECIMEN PREPARATION: Specimens (with self adhesive backing) were mounted to a steel plate 0.06" thick. The test specimen composite was then backed with a 0.5" etera board (a cement asbestos substitute).

BRIEF DESCRIPTION OF TEST: The test specimen faces a radiant heat source. At the beginning of the test period an igniting flame impinges at the top of the specimen. Visual observation is made of the downward progression of the flame front. The heat given off by the burning specimen is automatically recorded. The combination of the two factors, flame front progression and heat, results in a Flame Spread Index.

RESULTS:	Flame Progression (mm:ss)					Net Stack			Flame Spread Index	Flaming, Dripping, or Flaming Running (yes/no)
	3.0"	6.0"	9.0"	12.0"	15.0"	Rise°C	Q	FS		
Specimen	3.0"	6.0"	9.0"	12.0"	15.0"	Rise°C	Q	FS	Index	(yes/no)
1	02:00	03:00	FN	FN	FN	10.3	2.5	2.3	5.8	No
2	02:11	FN	FN	FN	FN	3.9	0.9	1.5	1.4	No
3	02:11	FN	FN	FN	FN	3.9	0.9	1.5	1.4	No
4	01:46	FN	FN	FN	FN	8.8	2.1	1.6	3.4	No
									Avg:	3.0

ABBREVIATIONS USED:
 F = Flashed beyond benchmark.
 FN = Flame front did not reach this benchmark.

CALCULATION FACTORS:
 Etera board correction factor: 0.62
 Beta: 23.83

FLUX: 2.8 - 1.68 - 0.75 (Flux Transducer # 6024)

REMARKS: Non Sustained
 Flame Front Sustained All Drips
 Off Gas Flame Front Flaming Flame on



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Specimen #	Ignition (yes/no)	Ignition at (mm:ss)	Out (mm:ss)	Test End (mm:ss)	Test Floor (yes/no)
1	Yes	01:37	03:10	04:10	No
2	No	01:55	02:17	03:17	No
3	Yes	01:55	02:27	03:30	No
4	Yes	01:23	02:10	03:10	No

ACCEPTANCE CRITERIA: For panels*, seats, mattress frames --

1. Flame Spread Index shall not exceed 35.
2. Flaming dripping, or flaming running is not permitted.

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

SPECIFIERS:

1. Federal Railroad Administration Test Procedures & Performance Criteria, Federal Register Notice dated 6/25/02
2. UMTA Recommended Fire Safety Practices for Transit Bus & Van Materials Selection Docket #90-A published 10/20/93
3. Amtrac Specification #352 Section 3.5 dated 1/29/90
4. NFPA 130 Section 4.2.4 Interior Fire Propagation Resistance

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

Complies; Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by ASTM E 162.

AUTHORIZED SIGNATURE
 THE GOVMARK ORGANIZATION, INC. /jd

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