



Received:08/11/2015	Completed:08/13/2015	Letter: B	JB	P.O.#: V75	Test Report #:	3-09242-0-
Client's Identification	Style: Plank w/Clip. Date of Mfg: Jan. 2015. Composition: Resin Based Composite on FRP Base. Weight: 3.6 lbs/sf. Thickness: 23mm Thick w/Clip.					
Tested For: Gabrielle Clark			Key Test: ASTM E 648 (BLDG)		745	
Esthec USA 2300 E. Las Olas Blvd Fort Lauderdale, FL 33301			Tel: 1-(954)-763-3125 Fax: 1-()- -		Ext:	

ASTM E 648: LE 2014c; V 03/15 PC: 48H or 96H /dl SM/mg
 NFPA 101: LE 2015; V 04/15
 NFPA 5000: LE 2015; V 04/15
 IBC: LE 2015; V 03/15

APPROXIMATE THICKNESS OF MATERIAL (as measured by Govmark): 0.815" (without clip)

BRIEF DESCRIPTION OF TEST: The test specimen is placed on the floor of the test chamber. A gas-fired radiant heater is situated above the test specimen. A multi-flamelet burner is positioned above the specimen at the test starting point. After a 5 minute preheat period, the multi-flamelet burner is lowered to impinge on the end of the test specimen.

The test continues until all burning of the specimen extinguishes (flameout). The specimen burn distance (flame front progression) is compared against a graph which contains heat flux levels from the 0" point to the 40" point. The heat flux at the distance burned is reported.

TEST PERFORMED: ASTM E 648 - Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source (NFPA Designation No. 253)

SPECIMEN PREPARATION:

- Each specimen was laid flat over a 1/4" Etera board (a cement asbestos substitute). No bonding agent was used. [PC: 48H]
- Each specimen was bonded to a 1/4" Etera board (a cement asbestos substitute) using _____. [PC: 96H]
- Each specimen, with self adhesive backing, was bonded to a 1/4" Etera board (a cement asbestos substitute). [PC: 96H]
- Each specimen was placed over a rubber coated jute and animal hair 50 oz/yd² cushioning material. [PC: 48H]



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RESULTS:

Specimen #	Futhest Progression of Flame Front at Flame Out		Critical Radiant Flux (watts/cm ²)	Time to Flame Front Flame Out* (mm:ss)
	(inches)	(cm)		
1	12.2	31.0	0.59	09:28
2	14.5	36.8	0.48	17:26
3	12.6	32.0	0.57	12:58
Avg:			0.55	

* Note: As measured from time zero (insertion of specimen into chamber).

Standard Deviation of Critical Radiant Flux: 0.06

CODE CLASSIFICATION -- As cited by:

- (1) The 2015 Edition of NFPA 101 Life Safety Code paragraph, 10.2.7.4
- (2) The 2015 Edition of NFPA 5000 Building Construction & Safety Code, paragraph 10.7.4
- (3) The 2015 Edition of the International Building Code, paragraph 804.2

Class I: Minimum 0.45 watts/cm²
 Class II: Minimum 0.22 watts/cm²

OBSERVATIONS(of burning characteristics):

- All Specimens
- Specimen #'s _____
- Premature ignition during the 5 min preheat, respectively for specimens 1, 2, and 3 (mm:ss): _____ : _____ , _____ : _____ , _____ : _____ .
- Penetration of the flame to the substrate
- Delamination
- Blistering
- Melting
- Sagging
- Shrinkage
- OTHER: Describe: _____



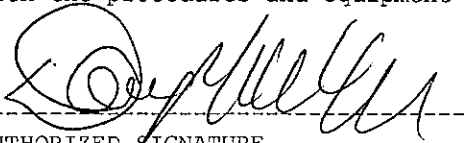
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REMARKS: None.

CONCLUSION: Based on the above Results and Code Classification, the item tested is assigned a:

- Class I rating
- Class II rating
- Fails to achieve a minimum classification thereby rendering the product unsuitable in terms of code requirement

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


 AUTHORIZED SIGNATURE
 GOVMARK
 /bg

ESTHEC/BOLIDT

(Page 3 of 3)

Douglas W. Lipp

AUG 13 2015