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Received: 10/05/2018 Completed: 10/09/2018 Letter: B	AN	P.O. #: PO110605		Test Report #:	3-28797-0-
Client's Product Identification: Verzatec Blue-sky GC 0. Identification	090 2	0180928-3rd.			
Tested For: Victor Espinosa Verzatec 285 Industria Dr.				E 84 (Int Fin)	765 Ext:
Moscow, TN 38057			1-()-	Part Control of the C	
Test Category: Tunnel Test Specifier: BLDG(IB-PC: ME /dl/pp SM/mg	C): I	E 2018; V 9/18;	ASTM	E 84: LE 2018	3a; V 9/18
TEST PERFORMED: ASTM E84 - Standard Test Method Materials	for	Surface Burning (Charac	cteristics of	Building
REFERENCE: Comparable to: UL 723 - Standard for Materials	Test	for Surface Burn	ning (Characteristic	cs of Building
APPROXIMATE THICKNESS OF SPECIMEN (as measured)	by SC	GS Govmark): 0.08	11		
SPECIMEN WEIGHT (to include substrate when appl	icabl	.e):			
Prior to Conditioning:		49.5 lbs.			
Stabilized Weight (taken twice within 24 hour	rs):	49.5 lbs.			
PRODUCT CATEGORY:					
[] Textile Type Product					
[] Vinyl Type Product					
[x] Other than Textile Type or Vinyl Type Pro	oduct	: See "Client's 1	Identi	fication" sec	ction above
BRIEF DESCRIPTION OF TEST: This test method is material under defined test conditions. The test apparatus and is often referred to as the "tunne" Dak burns to the 24 ft. mark in 5.5 minutes ± 15 wide specimen rests horizontally in a ceiling contoward two upward oriented burners. A furnace 1: A cement board placed on the backside of each specimen the specimen is subjected test. The near face of the specimen is subjected ten minutes. The time and distance of the spread smoke developed as read by the photometric system Developed are reported as an Index.	t is el te seconfiguid the pecimal to define the second to define the se	performed in a 25 st". The test corronds. During the traction inside that rests in a watern assembly protes a 4.5 ft. flame if flame along the 1	oft. ntempl actua ne tes ter tr ects t insult length	long tunnel/o lates a calibral al test, a 24 st chamber face cough seals the che furnace lates of approximate a of the spect	duct-like ration where Red ft. long x 23" cing downward and ne chamber tight. id during the ately 88 kW for imen and the
See Page 3	for	"Results"			
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Client's Product Identification: Verzatec Blue-sky GC 0.090 2	20180928-3rd.	•		
Tested For: Victor Espinosa Verzatec	Key Test: A	STM E 84 (Int Fin)		765
285 Industria Dr. Moscow, TN 38057	Tel: 1- Fax: 1-	-(901)-877-3010 -()	Ext:	
SPECIMEN MOUNTING:				
[] Self-supporting: The test specimen was rigid placed into test position. No additional sup	enough to be self- port was required.	supporting when		
[] Adhered to IRC: The test specimen was bonded Cement (IRC) boards.	to 1/4" Inorganic	Reinforced		
[] Adhered to Gypsum: The test specimen was adh board.	ered to 5/8" thick	Type X gypsum		
[x] Unadhered: The specimen was not adhered to over a 2" hexagonal wire mesh screen and 1/4	any substrate. Inst " rods.	ead, it was laid		
[] Other:				
SPECIMEN LENGTH: The 24 ft. length was comprised of	i.			
[] Continuous unbroken 24 ft. length [x] Sections: [] Three 8 ft. sections butted en [] Three 8 ft. sections positivel [x] Other: Six 4 ft. sections butter	y joined			
ADHESIVE (applied by SGS Govmark): [x] No [] Yes - (speci	fy):			
OBSERVATIONS: [x] No unusual observations [] Burning Drips to Floor [] Delamination [] Sagging [] Shrinkage [] Fallout (specimen displacement from [] Other:	om ceiling mount)			·
REMARKS: [x] None [] Other:				
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Client's Identification		ion: Verzatec Blue-sk	y GC 0.090 20	180928-3rd.			
Tested For: \	/ictor Espinosa			Key	Test:	ASTM E 84 (Int Fin)	76
2	Verzatec 285 Industria Dr. Moscow, TN 38057					1-(901)-877-3010 1-()	Ext:
RESULTS:							
	oread Index: 50 eveloped: 35						
ROUNDING (F	Per ASTM E84 Rep	oorting Requireme	ents):				
	Flame Spread Ir Smoke Developed	idex value has be l value has been	een rounded rounded to	to the nea:	rest :	multiple of 5.	
	Raw Data	Rounded					
	Less than 200 200 or more						
assigned a: [] Clas [x] Clas [] Clas [] Fail unsu [] Base	es I or A rating s II or B ratin s III or C rati s to achieve a itable in terms d on product pe	g ng minimum classifi of code require	cation the	reby render:	ing tl	ion System, the iter he product t method for the	m tested is
* Severe me	rial. lt, drip, delam valid flame sp	ination or other	behaviour	that destro	oys tl n Page	ne continuity of the 2 of 4.)	e flame front
DATA SUMMAR	Y:						
Maximum	Flame Spread "D	inutes:seconds): istance" (feet): ime" (seconds):	14.5				
CODE CLASSI	FICATION SYSTEM	(Please see "AS	GTM E84 Lim	itations" or	n Page	e 4):	
		Spread Index					
Class II	or A: 0 - or B: 26 - I or C: 76 - 2	25 75	450 or les 450 or les	ss ss			
ā	See Page 4 f	or "Building Cod	le Citation	for The Cla	assif:	ication Scheme"	
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Received: 10/0	05/2018 Completed: 10/09/2018	Letter: B	AN	P.O.#: PO110605	Test Report #:		3-28797-0-
Client's Identification	Product Identification: Verzate	Blue-sky GC 0.0	090 20	0180928-3rd.			
	Victor Espinosa			Key Test:	ASTM E 84 (Int Fin)		765
	Verzatec 285 Industria Dr. Moscow, TN 38057				1-(901)-877-3010 1-()	Ext:	

BUILDING CODE CITATION FOR THE CLASSIFICATION SCHEME:

- (1) 2015 edition, NFPA 101 Life Safety Code, para. 10.2.3.4
- (2) 2015 edition, NFPA 5000 Building Construction & Safety Code, para. 10.4.2
- (3) 2018 edition, International Building Code, para. 803.1.2

LIMITATIONS OF THE ASTM E84 CLASSIFICATION SCHEME: Most building codes will accept the ASTM E84 classifications when the interior finish product is used in a sprinklered area. Certain local authorities such as NYC have more stringent requirements, i.e. Smoke Developed ranges from a maximum 25 to 100.

If the interior finish product is a textile or vinyl wall covering used in a non-sprinklered area, the NFPA 265 room corner fire test applies.

Certain products which give off excessive heat such as but not limited to cellular plastics, cellular foam (either with or without coverings as applicable), polypropylene, and high density polyethylene should be tested by NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth. In SGS Govmark's opinion, the codes require NFPA 286 for such products, even in sprinklered areas.

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

AUTHORIZED SIGNATURE

SGS GOVMARK

/pm Enclosure: Grap Test Engineer: Andrew Niemczyk

STABI-TN/VERZ-TN/STABI-TN

OCT 1 1 2018



Program: ASTM E84 (Version 1.61)

 Test Method
 : ASTM E84

 Test Report #
 : 3-28797-0-B

 Date
 : 10/9/2018

Client : Verzatec

Operator : Andrew Niemczyk

Details of Preparation : Specimen unadhered. Specimen was laid over a 2" hexagonal

wire mesh screen and 1/4" rods. 24 ft specimen comprised

of six 4 ft sections butted end to end.

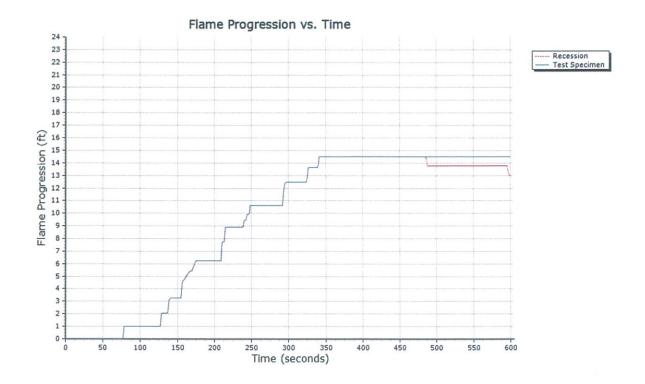
Observations : No unusual observations

Area Under Flame Curve (ft min) : 94.07
Raw Flame Spread Index (ft min) : 48.45
Rounded Flame Spread Index (ft min) : 50

Ignition Time : 01:07 mm:ss

Area Under Smoke Curve (%A min) : 340.95
Raw Smoke-Developed Index : 362.98
Rounded Smoke-Developed Index : 350
Total Gas Flow(L) : 1417.9
Total Gas Flow(ft³) : 50.1

Maximum Flame Front Achieved(ft) : 14.5 (@341s)





Program: ASTM E84 (Version 1.61)

Test Method Test Report #

: ASTM E84 : 3-28797-0-B

