SGS GOVMARK

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

Page 1

Received: 10	/21/2019 Completed: 10/22/2019 Letter: O	JR P.O. #:	Test Report #:	3-35126-0-
Client's Identification	Product Description: Free Form Air Fire Safe. (7	wo component cured	Epoxy; light gray color). Thickness: 0	.50 inch.
Tested For:	Rahul Amin	Key	Test: ASTM E 84 (Int Fin) WIT	765
	Smooth-On, Inc. 5600 Lower Macungie Road		Tel: 1-(610)-252-5800 Ext:	
	Macungie, PA 18062		Fax: 1-()	
Test Cate PC: ME	gory: Tunnel Test Specifier: BLDG(IBC /dl/pp SM/mg	C): LE 2018; V 9/	18; ASTM E 84: LE 2019a V 0	6/19
TEST PERF	ORMED: ASTM E84 - Standard Test Method	for Surface Burn	ing Characteristics of Build	ling
REFERENCE Materials	: Comparable to: UL 723 - Standard for	Test for Surface	Burning Characteristics of	Building
APPROXIMA'	TE THICKNESS OF SPECIMEN (as measured b	oy SGS Govmark):	0.66"	
SPECIMEN	WEIGHT (to include substrate when appli	icable):		
Prior	to Conditioning:	160.4 lbs.		
Stabil	ized Weight (taken twice within 24 hour	rs): 160.4 lbs.		
PRODUCT CA	ATEGORY:			
[] Te:	xtile Type Product			
[] Vii	nyl Type Product			
[x] Otl	her than Textile Type or Vinyl Type Pro	oduct: see client	'd identification section ab	ove
material mapparatus Oak burns wide specitoward two A cement hatest. The ten minute smoke deve	CRIPTION OF TEST: This test method is under defined test conditions. The test and is often referred to as the "tunne to the 24 ft. mark in 5.5 minutes ± 15 imen rests horizontally in a ceiling of upward oriented burners. A furnace library placed on the backside of each specimen face of the specimen is subjected as. The time and distance of the spread aloped as read by the photometric system are reported as an Index.	is performed in el test". The test seconds. During onfiguration inside that rests in pecimen assembly to a 4.5 ft. fled of flame along	a 25 ft. long tunnel/duct-let contemplates a calibration the actual test, a 24 ft. I de the test chamber facing of a water trough seals the chaprotects the furnace lid durame insult of approximately the length of the specimen a	n where Red ong x 23" downward and amber tight. Ting the 88 kW for and the
	See Page 3 for	: "Results"		
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Received: 10/21/2019 Completed: 10/22/2019 Letter: O	JR P.O. #:	Test Report #:	3-35126-0-				
Client's Product Description: Free Form Air Fire Safe. (Two component cured Epoxy; light gray color). Thickness: 0.50 inch.							
Tested For: Rahul Amin Smooth-On, Inc. 5600 Lower Macungie Road Macungie, PA 18062	Ko	ey Test: ASTM E 84 (Int Fin) WIT Tel: 1-(610)-252-5800 Ext: Fax: 1-()	765				
SPECIMEN MOUNTING:							
[x] Self-supporting: The test specimen was replaced into test position. No additional							
[] Adhered to IRC: The test specimen was be Cement (IRC) boards.	onded to 1/4" In	organic Reinforced					
[] Adhered to Gypsum: The test specimen was board.	s adhered to 5/8	" thick Type X gypsum					
[] Unadhered: The specimen was not adhered over a 2" hexagonal wire mesh screen and		te. Instead, it was laid					
[] Other:							
SPECIMEN LENGTH: The 24 ft. length was comprise	ed of:						
[] Continuous unbroken 24 ft. length [x] Sections: [] Three 8 ft. sections butte [] Three 8 ft. sections posit [x] Other: Six sections varying	cively joined	ted end to end					
ADHESIVE (applied by SGS Govmark): [x] No [] Yes - (s	specify):						
OBSERVATIONS:			=				
[] No unusual observations [x] Burning Drips to Floor further qualified a [] Delamination [] Sagging [] Shrinkage [] Fallout (specimen displacement from ceiling) [] Other:		x] Moderate; [] Major					
REMARKS: 1. None 2. Test was conducted in the presence	of Rahul Amin (Smooth-On, Inc.)					
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Received: 10/21/2019 Co	mnloted: 10/	22/2010 1 -44	ID	B O #-		m . n		Page 3	
		ree Form Air Fire Sa	JR afe. (Two c		ed Enoxy	Test Report		3-35126	-()-
Identification	- Total Promi			omponent curv	и Броку,	, fight gray color).	Timekness. (7.50 men.	
Tested For: Rahul Am Smooth-On				Ke	ey Test: A	ASTM E 84 (Int Fi	n) WIT	,	765
	, mc. r Macungie R	oad			Tel:	1-(610)-252-5800	Ext:		
Macungie, l	PA 18062		1		Fax:	1-()			
DESCRIPTION OF THE PROPERTY OF									
RESULTS:									
Flame Spread Ind Smoke Developed:									
ROUNDING (Per ASTM	E84 Repor	ting Requiremen	ts):						
		x value has been			arest m	nultiple of 5.			
Raw Data		Rounded							
Less tha	n 200	Nearest multip	ole of F	-					
200 or m		Nearest multi							
<pre>[x] Class I or A [] Class II or [] Class III or [] Fails to ach unsuitable i [] Based on pro material. * Severe melt, drip</pre>	B rating C rating lieve a min n terms of duct perfo	f code requirement ormance*, ASTM 1	ent E84 is no	ot a suitab	le test	method for th		ame front	
such that a valid f								2110 110110	
DATA SUMMARY:									
Time to Ignition Maximum Flame Sp Maximum Flame Sp	read "Dist	cance" (feet):	10.3						
CODE CLASSIFICATION	SYSTEM (I	Please see "AST	M E84 Lin	mitations"	on Page	4):			
		read Index	Smoke Dev						
Class I or A:	0 - 25	4	450 or le	ess					
Class II or B: Class III or C:									
See Pa	ge 4 for '	Building Code (Citation	for The Cl	assific	cation Scheme"			
		(Pag	ge 3 of 4	1)					



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Received: 10/21	Completed: 10/22/2019	Letter: O	JR	P.O.#:	Test Report #:	3-	-35126-0-
Client's Identification	Product Description: Free Form	Air Fire Safe.	(Two c	omponent cured Epoxy; li	ght gray color). Thi	ckness: 0.50 i	nch.
Tested For: R	ahul Amin mooth-On, Inc.			Key Test: AS	TM E 84 (Int Fin)	WIT	765
56	600 Lower Macungie Road lacungie, PA 18062				610)-252-5800)	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.

Phyllis Pettit

OCT 2 5 2019

Test Engineer: Jimmy Rosinsky

AUTHORIZED SIGNATURE

sos covmark /jab/gb/pm

Enclosure: Graphs

(Page 4 of 4)



Program: ASTM E84 (Version 1.61)

Test Method : ASTM E84

Test Report # : 3-35126-0-0

Date : 10/22/2019

Client : Smooth-On, Inc.

Operator : Jimmy Rosinsky

Details of Preparation : The test specimen was rigid enough to be self-supporting

when placed into test position. No additional support was required. The 24 ft. length was comprised of six sections

varying in length butted end to end.

: Moderate burning drips to oven floor

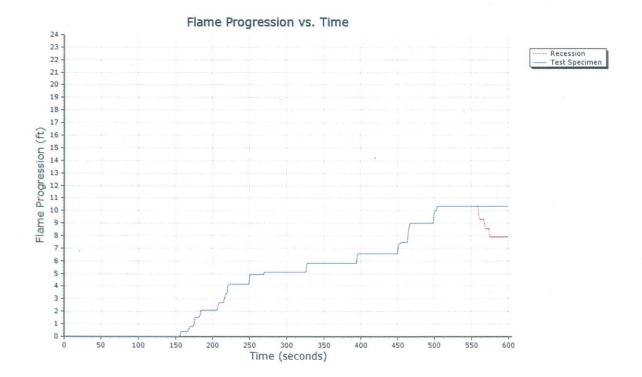
Area Under Flame Curve (ft min) : 47.44
Raw Flame Spread Index (ft min) : 24.43
Rounded Flame Spread Index (ft min) : 25

Observations

Ignition Time : 01:48 mm:ss

Area Under Smoke Curve (%A min) : 29.92
Raw Smoke-Developed Index : 29.66
Rounded Smoke-Developed Index : **30**Total Gas Flow(L) : 1420.9
Total Gas Flow(ft³) : 50.2

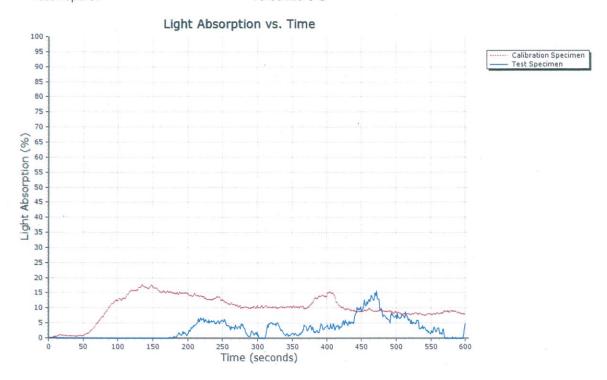
Maximum Flame Front Achieved(ft) : 10.3 (@504s)





Program: ASTM E84 (Version 1.61)

Test Method Test Report # : ASTM E84 : 3-35126-0-0





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Page 1

Received: 10/22	2/2019 Completed: 10/22/2019	Letter: O	P.O.#:	Test Report #:	3-35126-1-
Client's Identification	Expedite Fee for Report: 3-3512	26-0			
Tested For: R			Key T	est: Expedite Fee	383
	mooth-On, Inc.				
5	600 Lower Macungie Road		T	'el: 1-(610)-252-5800	Ext:
N	facungie, PA 18062		F	ax: 1-()	

Expedite Fee:

50% surcharge is added to the list price of this test at client's request for expedited testing services, half the original quoted performance time (excluding required conditioning).