Flammability Certificate 8361 Bristle Designtex

8361 Bristle was tested and met the following flammability requirements:

ASTM E 84 Adhered Class A

SGS

Tested For:		Phone:		Received:	6/7/2023
	Designtex	Fax:		Completed:	6/12/2023
	200 Hudson St, 9th Floor	Mobile:		Code:	T
	New York, NY 10013	PO#:		Test Report:	
	,			rest keport.	3-31833-0
	USA	Email:			
Vov Tost	ACTNA FOA / ACT				
Key Test:	ASTM E84/ACT				735
Client's Identi	fication:				
Material ID:	20 oz Vinyl Wallcovering with Non-Wov	en Backing.			
Test Category:	Tunnel Test Specifier: ACT LE 202	23; V 3/23 BG F	PC: ME		
	FORMED: ASTM E84 - Standard Test	Method for Surf	face Burning Characteristic	s of Building	Materials [LE
2018a; V 9/	18]				
As cited	by the Association of Contract Textile	s (ACT) Volunta	ary Performance Guideline	s (December	2021)
710 01100	by the recondition of contract reality	o (7101) Volunte	ary r criominance calcolline	o (Booombor	2021)
APPROXIMATE THICKNESS OF SPECIMEN (as measured by SGS North America): 0.013"					
SPECIMEN WEIGHT (to include substrate when applicable):					
a (.5					
Prior to	Conditioning:	94.5 lbs.			
Stabilized Weight (taken twice within 24 hours): 94.0 lbs.					
Clabilized Troight (taken twice within za noule). Oa.o ibo.					
PRODUCT CATEGORY:					
☐ Textile Type Product					
□ Textile Type Product □ Vinyl Ty					
	r than Textile Type or Vinyl Type Prod	uct·			
	That Toxino Type of Villy Type I Tour		_		
BRIEF DES	CRIPTION OF TEST: This test metho	d is used to dete	ermine the relative burning	behavior of a	a material under
defined test conditions. The test is performed in a 25 ft. long tunnel/duct-like apparatus and is often referred to as the					
"tunnal tact"	"tunnel test". The test contemplates a calibration where Ded Oak hurns to the 24 ft, mark in 5.5 minutes + 15 seconds				

BRIEF DESCRIPTION OF TEST: This test method is used to determine the relative burning behavior of a material under defined test conditions. The test is performed in a 25 ft. long tunnel/duct-like apparatus and is often referred to as the "tunnel test". The test contemplates a calibration where Red Oak burns to the 24 ft. mark in 5.5 minutes \pm 15 seconds. During the actual test, a 24 ft. long x 23" wide specimen rests horizontally in a ceiling configuration inside the test chamber facing downward and toward two upward oriented burners. A furnace lid that rests in a water trough seals the chamber tight. A cement board placed on the backside of each specimen assembly protects the furnace lid during the test. The near face of the specimen is subjected to a 4.5 ft. flame insult of approximately 88 kW for ten minutes. The time and distance of the spread of flame along the length of the specimen and the smoke developed as read by the photometric system are all recorded. The Flame Spread and Smoke Developed are reported as an Index.

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The results contained in this report relate only to the item(s) tested. The test report shall not be reproduced except in full, without written approval from SGS North America.

SGS	

Tested For:			Phone:	Received:	6/7/2023
	Designtex		Fax:	Completed:	6/12/2023
	200 Hudso	on St, 9th Floor	Mobile:	Code:	T
	New York,	NY 10013	PO#:	Test Report:	3-51853-0
	USA		Email:		
Key Test:	ASTM E84	4/ACT			735
SPECIMEN	MOUNTI	NG:			
		g: The test specimen was rigi port was required.	d enough to be self-supporting when plac	ed into test po	osition. No
⊠ Adher	ed to IRC	C: The test specimen was bo	nded to 1/4" Inorganic Reinforced Cement	(IRC) boards.	
☐ Adher	ed to Gy	psum: The test specimen wa	as adhered to $^5/_8$ " thick Type X gypsum bo	ard.	
	nered: Th n and ¼"		d to any substrate. Instead, it was laid ove	er a 2" hexago	nal wire mesh
☐ Other	:				
SPECIMEN	LENGTH	I: The 24 ft. length was comp	prised of:		
☐ Contii	nuous un	broken 24 ft. length			
Section Section	ons: \square	Three 8 ft. sections butted e	end to end		
		Three 8 ft. sections positive			
		Four 5 ft. and one 4 ft. section	ons butted end to end		
	Ш	Other:			
ADHESIVE	(applied b	by SGS North America): 🗆 I			
			Yes (specify): Roman Pro-880		
OBSERVAT	IONS:	⋈ No unusual observations			
		• •	rther qualified as: ☐ Minor; ☐ Moderate;	□ Major	
		☐ Delamination			
		☐ Sagging			
		☐ Shrinkage			
		☐ Fallout (specimen displace☐ Other:	cement from ceiling mount)		
REMARKS:	⊠ No	one			
	□ Ot	her:			

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SGS

Tested For:		Phone:	Received:	6/7/2023
	Designtex	Fax:	Completed:	6/12/2023
	200 Hudson St, 9th Floor	Mobile:	Code:	T
	New York, NY 10013	PO#:	Test Report:	3-51853-0

USA Email:

Key Test: ASTM E84/ACT 735

RESULTS: Flame Spread Index: 5

Smoke Developed: 10

ROUNDING: Flame Spread Index value has been rounded to the nearest multiple of 5.

Smoke Developed value has been rounded to:

Raw Data	Rounded
Less than 200	Nearest multiple of 5
200 or more	Nearest multiple of 50

ACCEPTANCE CRITERIA (as cited by ACT):

	Flame Spread Index	Smoke Developed
Class A	0 - 25	450 or less

NOTE: Class A is also known as Class 1 and may be so specified in some Codes.

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

 \boxtimes Complies \square Does not comply

DATA SUMMARY:

Time to Ignition (minutes:seconds): 01:39
Maximum Flame Spread "Distance" (feet): 1.9
Maximum Flame Spread "Time" (seconds): 226

CODE CLASSIFICATION: Based on the reported Results and cited Code Classification System, the item tested is assigned a:

	or A	rating
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☐ Class II or B rating

☐ Class III or C rating

☐ Fails to achieve a minimum classification thereby rendering the product unsuitable in terms of code requirement.

☐ Based on product performance*, ASTM E84 is not a suitable test method for the material.

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^{*} Severe melt, drip, delamination or other behavior that destroys the continuity of the flame front such that a valid flame spread is unobtainable (See "Remarks" on Page 2 of 4.)



Tested For: Phone: Received: 6/7/2023

Designtex Fax: Completed: 6/12/2023

200 Hudson St, 9th Floor Mobile: Code: T

New York, NY 10013 **PO#: Test Report:** 3-51853-0

USA **Email:**

Key Test: ASTM E84/ACT 735

CODE CLASSIFICATION SYSTEM:

	Flame Spread Index	Smoke Developed
Class I or A:	0 - 25	450 or less
Class II or B:	26 - 75	450 or less
Class III or C:	76 - 200	450 or less

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 North America'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.

Bolly Brown
B50EB94D593C454...

6/14/2023

AUTHORIZED SIGNATURE SGS NORTH AMERICA /jab /gb

Enclosure: Graphs

Test Engineer: Jimmy Rosinsky

—os BB



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Program: Steiner Tunnel (Version 1.0.3.0)

Test Method : ASTM E84
Report # : 3-51853-0-T
Test Date : 6/12/2023
Client : Designtex
Operator : Jimmy Rosinsky

Details of Preparation : The test specimen was bonded to 1/4" Inorganic Reinforced

Cement boards using Roman Pro 880 glue. The 24 ft. length was comprised of four 5 ft. sections and one 4 ft. section butted end

to end.

Observations : No unusual observations

Results

Area Under Flame Curve (ft min) : 14.07
Raw Flame Spread Index : 7.24
Ignition Time (mm:ss) : 01:39
Area Under Smoke Curve (%A min) : 9.51
Raw Smoke Developed Index : 12.06
Total Gas Flow (ft³) : 56.3
Maximum Flame Front Achieved (ft) : 1.9 @ 226s

Flame Spread Index : 5 Smoke Developed Index : 10

Material Classification : A

CERTIFICATION: I certify that the above results were obtained after testing the specimens in accordance with the procedures and equipment specified by ASTM E84

Jimmy Rosinsky

AUTHORIZED SIGNATURE



Program: Steiner Tunnel (Version 1.0.3.0)

Test Method : ASTM E84
Test Report # : 3-51853-0-T



