

BUZZISPACE USA

TEST REPORT

REPORT ISSUED TO
BuzziSpace USA
1200 Redding Drive
High Point NC 27260

SCOPE OF WORK

Report of testing 0.24 in. thick BuzziSkin Felt Material for compliance with the applicable requirements of the following criteria: CAN/ULC S102-10, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

REPORT NUMBER
103454116COQ-001c

ISSUE DATE
03-May -2018

PAGES
15

DOCUMENT CONTROL NUMBER
GFT-OP-10b (13-March-2017)
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TEST REPORT FOR BUZZISPACE USA

Report No.: 103454116

Date: May 3, 2018

CONCLUSION

The samples of 0.24 in. thick BuzziSkin felt material submitted by BuzziSpace USA were tested in accordance with CAN/ULC S102-10, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

The product test results are presented in Section 7 of this report.



Salvatore Balletta
TECHNICIAN
BUILDING PRODUCTS



Greg Philp
REVIEWER
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SECTION 2

OBJECTIVE

Intertek Testing Services NA Ltd. (Intertek) has conducted testing for BuzziSpace USA to evaluate the surface burning characteristics of 0.24 in. thick BuzziSkin Felt material. Testing was conducted in accordance with the standard methods of CAN/ULC S102-10, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

This evaluation began May 2, 2018 and was completed May 3, 2018.

SECTION 3

SAMPLE SELECTION

Samples were submitted to Intertek directly from the client and were not independently selected for testing and Intertek accepts no responsibility for any inaccuracies provided. The sample materials were received at the Evaluation Center on April 4, 2018 and April 30, 2018.

SECTION 4

SAMPLE ASSEMBLY AND DESCRIPTION

Upon receipt of the samples at the Intertek Coquitlam laboratory they were placed in a conditioning room where they remained in an atmosphere of $23 \pm 3^{\circ}\text{C}$ ($73.4 \pm 5^{\circ}\text{F}$) and $50 \pm 5\%$ relative humidity.

The sample product was identified by the client as 24 in. wide by 5 ft. 6 in. long by 0.24 in. thick BuzziSkin Felt material with a self-adhesive backing. The test material was adhered to $\frac{1}{4}$ in. thick by 24 in. wide by 8 ft. long non-combustible substrate panels. The test material came in three color variations.

For each trial run, three 8 ft. long by 24 in. wide sample panels were butted together and placed on the upper ledge of the flame spread tunnel to form the required 24 ft. sample length. A layer of 6 mm reinforced cement board was placed over top of the samples, the tunnel lid was lowered into place, and the samples were then tested in accordance with CAN/ULC S102-10.

SECTION 5

TESTING AND EVALUATION METHODS

TEST STANDARD

The results of the tests are expressed by indexes, which compare the characteristics of the sample under tests relative to that of select grade red oak flooring and inorganic-cement board.

(A) Flame Spread Rating:

This index relates to the rate of progression of a flame along a sample in the 25 foot tunnel. A natural gas flame is applied to the front of the sample at the start of the test and drawn along the sample by a draft kept constant for the duration of the test. An observer notes the progression of the flame front relative to time.

The test apparatus is calibrated such that the flame front for red oak flooring passes out the end of the tunnel in five minutes, thirty seconds (plus or minus 15 seconds).

(B) Smoke Developed:

A photocell is used to measure the amount of light, which is obscured by the smoke passing down the tunnel duct. When the smoke from a burning sample obscures the light beam, the output from the photocell decreases. This decrease with time is recorded and compared to the results obtained for red oak, which is defined to be 100.

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SECTION 6**RESULTS AND OBSERVATIONS****(A) Flame Spread**

The resultant flame spread ratings are as follows:

(Rating rounded to nearest 5)

0.24 in. thick BuzziSkin Felt Material	Flame Spread	Flame Spread Rating
Run 1	6	10
Run 2	12	
Run 3	9	

(B) Smoke Developed

The areas beneath the smoke developed curve and the related classifications are as follows:

(Classification rounded to nearest 5)

0.24 in. thick BuzziSkin Felt Material	Smoke Developed	Smoke Developed Classification
Run 1	107	115
Run 2	123	
Run 3	112	

(C) Observations

During the test runs, surface ignition occurred between 21 and 27 seconds. The flame then began to progress along the sample length until it reached the maximum flame spread. This was the case for all three test runs.

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SECTION 7**CONCLUSION**

The samples of 0.24 in. thick BuzziSkin Felt Material with a self-adhesive Backing submitted by BuzziSpace USA exhibited the following flame spread characteristics when tested in accordance with CAN/ULC S102-10, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

A series of three test runs of material was conducted to conform to the requirements of the National Building Code of Canada.

Sample Material	Flame Spread Rating	Smoke Developed Classification
0.24 in. thick BuzziSkin Felt Material	10	115

The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

SECTION 8

APPENDIX A: TEST DATA (6 PAGES)

Date: May 3, 2018

CAN/ULC S102-10 DATA SHEETS**Run 1**

Standard: ULC S102

Page 1 of 2

Client: Buzzispace USA

Date: 05 02 2018

Project Number: 103454116

Test Number: 1

Operator: Salvatore Battetta

Specimen ID: Buzzi Skin .24in. self adhesive backing

TEST RESULTS**FLAMESPREAD INDEX: 5****SMOKE DEVELOPED INDEX: 105****SPECIMEN DATA . . .**

Time to Ignition (sec): 27

Time to Max FS (sec): 428

Maximum FS (mm): 1013.5

Time to 527 C (sec): Never Reached

Time to End of Tunnel (sec): Never Reached

Max Temperature (C): 312

Time to Max Temperature (sec): 436

Total Fuel Burned (cubic feet): 45.70

FS*Time Area (M*min): 3.1

Smoke Area (%A*min): 179.7

Unrounded FSI: 5.7

Unrounded SDI: 107.3

CALIBRATION DATA . . .

Time to Ignition of Last Red Oak (Sec): 40.0

Red Oak Smoke Area (%A*min): 167.5

Tested By: SPReviewed By: SP

Date: May 3, 2018

CAN/ULC S102-10 DATA SHEETS

Run 1

Page 2 of 2

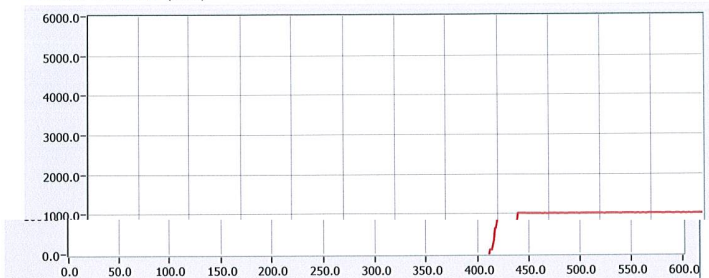
Client: Buzzispace USA

Specimen ID: Buzzi Skin .24in. self adhesive backing

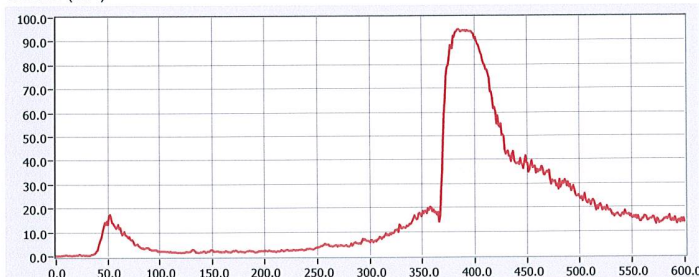
Test No.: 1

Standard: ULC S102

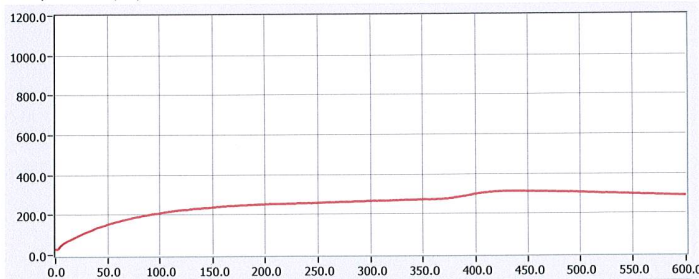
FLAME SPREAD (MM)



Smoke (%A)



Temperature (°C)



Time (sec)

600

Tested By: AS

Reviewed By: AS

Benchmark and Non-standard Test Report: Report must be reproduced in its entirety

CAN/ULC S102-10 DATA SHEETS

Run 2

Data Lost Due To Printer Error

Raw Data Retained

CAN/ULC S102-10 DATA SHEETS

Run 2

Data Lost Due To Printer Error

Raw Data Retained

Date: May 3, 2018

CAN/ULC S102-10 DATA SHEETS**Run 3**

Standard: ULC S102

Page 1 of 2

Client: Buzzispace USA

Date: 05 03 2018

Project Number: 103454116

Test Number: 3

Operator: Salvatore Balletta

Specimen ID: Buzzi Skin .24in Self adhesive backing . Pink Sample

TEST RESULTS**FLAMESPREAD INDEX: 10****SMOKE DEVELOPED INDEX: 125****SPECIMEN DATA . . .**

Time to Ignition (sec): 21

Time to Max FS (sec): 541

Maximum FS (mm): 1017.7

Time to 527 C (sec): Never Reached

Time to End of Tunnel (sec): Never Reached

Max Temperature (C): 286

Time to Max Temperature (sec): 487

Total Fuel Burned (cubic feet): 45.70

FS*Time Area (M*min): 6.4

Smoke Area (%A*min): 206.4

Unrounded FSI: 11.9

Unrounded SDI: 123.2

CALIBRATION DATA . . .

Time to Ignition of Last Red Oak (Sec): 40.0

Red Oak Smoke Area (%A*min): 167.5

Tested By: Reviewed By: 

Date: May 3, 2018

CAN/ULC S102-10 DATA SHEETS

Run 3

Page 2 of 2

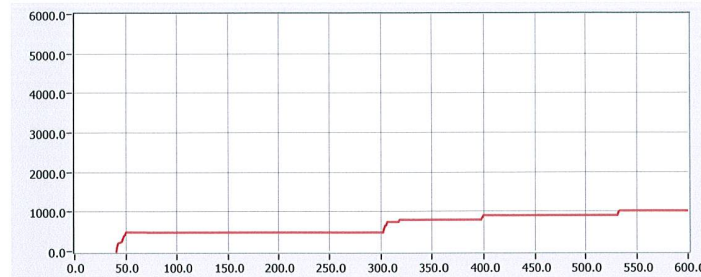
Client: BuzzSpace USA

Specimen ID: Buzz Skin .24in Self adhesive backing .

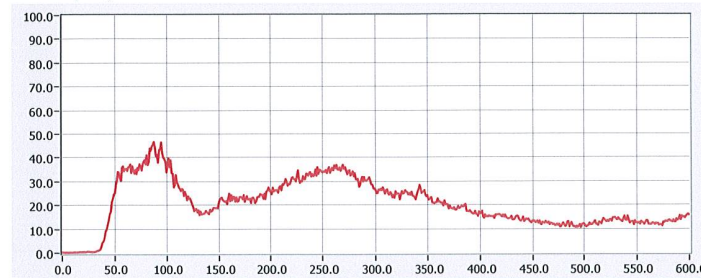
Test No.: 3

Standard: ULC S102

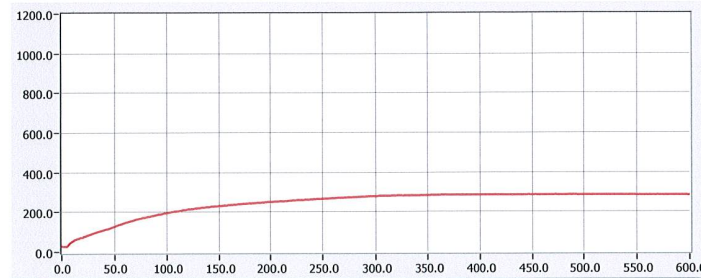
FLAME SPREAD (MM)



Smoke (%A)



Temperature (°C)



Time (sec)

600

Tested By: *AS*

Reviewed By:

Benchmark and Non-standard Test Report: Report must be reproduced in its entirety

Date: May 3, 2018

REVISION SUMMARY

DATE	PAGE	SUMMARY
May 3, 2018	All	Original Issue Date