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TALISSA DECOR
TEST REPORT

SCOPE OF WORK
REPORT OF TESTING LINE ART FOAM TILE MATERIAL FOR COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CRITERIA: ASTM E84-20 STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.

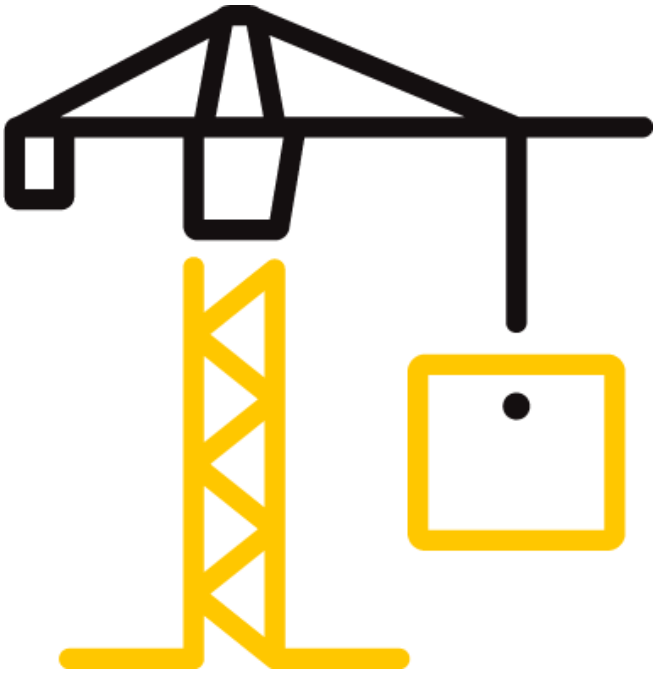
REPORT NUMBER
104395669COQ-001 R0

TEST DATE(S)
07/23/20 - 07/23/20

ISSUE DATE
07/23/20

PAGES
11

DOCUMENT CONTROL NUMBER
GFT-OP-10c (AUGUST 27, 2018)



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TEST REPORT FOR TALISSA DECOR
Report No.: 104395669COQ-001 R0
Date: 07/23/20

REPORT ISSUED TO

TALISSA DECOR
850 MAGNETIC DRIVE
TORONTO, ON M3J 2C4 CAN

SECTION 1
SCOPE

Intertek Building & Construction (B&C) was contracted by Talissa Decor to perform testing in accordance with ASTM E84-20 Standard Test Method for Surface Burning Characteristics of Building Materials on their Line Art foam tile material. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek Testing Services NA Ltd. (Intertek) test facility in Coquitlam, BC Canada.

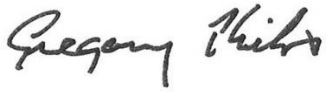
This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2
SUMMARY OF TEST RESULTS

The samples of Line Art foam tile material submitted by Talissa Decor were tested in accordance with ASTM E84-20 Standard Test Method for Surface Burning Characteristics of Building Materials.

The product test results are presented in Section 10 of this report.

For INTERTEK B&C:

REPORTED BY:	Salvatore Balletta	**REVIEWED BY:**	Greg Philp
TITLE:	Technician – B&C	**TITLE:**	Reviewer – B&C
SIGNATURE:		**SIGNATURE:**	
DATE:	07/23/20	**DATE:**	07/23/20

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SECTION 3
TEST METHOD(S)

The specimens were evaluated in accordance with the following:

ASTM E84-20 Standard Test Method for Surface Burning Characteristics of Building Materials.

SECTION 4
MATERIAL SOURCE/INSTALLATION

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.

SECTION 5
EQUIPMENT

ASSET #	DESCRIPTION	MODEL	CAL DUE DATE
WH 2189	Photocell	Huygen 856	02/28/21
WH 2190	Smoke Opacity Meter	Huygen	02/28/21
WH 1052	Data Logger	Phidgets DAQ 2020	02/28/21

SECTION 6
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Salvatore Balletta	Intertek B&C

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SECTION 7
TEST CALCULATIONS

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 Index:

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.

SECTION 8
TEST SPECIMEN 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 ± 3°C (73.4 ± 5°F) and 50 ± 5% relative humidity.

The sample material consisted of Line Art foam tile material. Each tile measured 19 in. by 19 in. and was white in color.

For this trial run, 24 ft. long by 24 in. wide sample pieces was placed on the upper ledge of the flame spread tunnel to form the required sample length. The sample material was supported by ¼ in. steel rods spaced every 24 in. and 20 ga. 2 in x 2 in galvanized steel netting spanning the upper ledge of the flame spread tunnel. A layer of 6 mm reinforced cement board was placed over top of the sample material, the tunnel lid was lowered into place, and the samples were then tested in accordance with ASTM E84-20.

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SECTION 9
TEST RESULTS

(A) Flame Spread

The resultant flame spread Indexes are as follows:
(Indexes rounded to nearest 5)

Sample Material	Flame Spread	Flame Spread Index
Line Art foam tile material	12	10

(B) Smoke Developed

The areas beneath the smoke developed curve and the related indexes are as follows:
(For smoke developed indexes 200 or more, index is rounded to the nearest 50. For smoke developed indexes less than 200, index is rounded to nearest 5)

Sample Material	Smoke Developed	Smoked Developed Index
Line Art foam tile material	166	165

(C) Observations

During the test run, surface ignition occurred at 9 seconds; the flame began to progress along the sample until it reached the maximum flame spread.

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COMMENTARY ON CLASSIFICATION

Neither ASTM E84 nor UL 723 include classification criteria for the results obtained from testing. The International Building Code® (IBC), NFPA 101: Life Safety Code® (NFPA 101), and NFPA 5000: Building Construction and Safety Code® (NFPA 5000) all describe a set of classification criteria required for interior wall and ceiling finish materials based on Flame Spread Index and Smoke Developed Index when tested in accordance with ASTM E84 or UL 723. The classification criteria for all three model codes is the same:

Class	Flame Spread Index	Smoke Developed Index
A	0-25	0-450
B	26-75	0-450
C	76-200	0-450

Note that classification under this scheme for interior wall and ceiling finishes does not strictly apply to all products or materials tested in accordance with ASTM E84 or UL 723 because not all products or materials are recommended or suitable for use as interior wall or ceiling finish materials in buildings, regardless of the surface burning characteristics. Consult with the product manufacturer and the local authority having jurisdiction (AHJ) regarding specific applications of a given product or material.

SECTION 10
CONCLUSION

The samples Line Art foam tile material submitted by Talissa Decor exhibited the following flame spread characteristics when tested in accordance with ASTM E84-20 Standard Test Method for Surface Burning Characteristics of Building Materials.

Sample Material	Flame Spread Index	Smoke Developed Index
Line Art foam tile material	10	165

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.

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TEST DATA (2 PAGES)

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ASTM E84-20 DATA SHEETS

Standard: ASTM E84-20/UL723

Lab ID: Intertek Coquitlam Fire Laboratory
Client: Talissa Decor
Date: 23 Jul 2020
Project Number: 104395669
Test Number: 1
Operator: Salvatore Balletta

Specimen ID and Description:

Line Art Foam tiles

TEST RESULTS

FLAMESPREAD INDEX: 10.000
SMOKE DEVELOPED INDEX: 165.000

SPECIMEN DATA

Time to Ignition (sec): 8.636
Time to Max Flame Spread (min): 2.461
Maximum Flame Spread (ft): 2.500
Time to 527 C / 980 F (sec): 0.000
Max Temperature (deg F or C as per test standard): 414.086
Time to Max Temperature (sec): 598.636
Total Fuel Burned (cubic feet): 42.792

Flame Spread*Time Area (M*min): 23.216
Smoke Area (%A*min): 74.988
Unrounded FSI: 11.956
Unrounded SDI: 166.075

CALIBRATION DATA

Time to Ignition of Last Red Oak (sec): 46

Calibrated Smoke Area (%A*min): 45.153

15 point Heptane average for E84-20
5 point Red Oak average for S102

Tested by: _____ Reviewed by: _____

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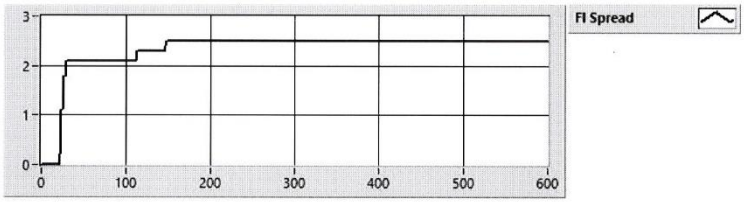
ASTM E84-20 DATA SHEETS

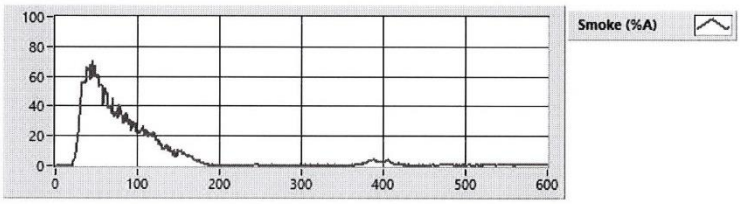
Client: Talissa Decor | Project Number: 104395669

Test Number: 1 | Test Standard: ASTM E84-20/UL723

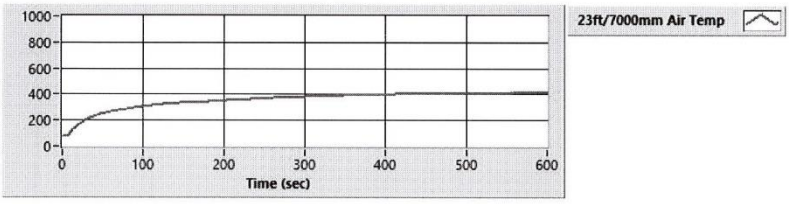
FLAME SPREAD



SMOKE (%A)



TEMPERATURE



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SECTION 12
PHOTOGRAPHS

Photo No. 1
Pre-Test

Photo No. 2
Post-Test

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SECTION 13
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	07/23/20	N/A	Original Report Issue