

FUNDERMAX GMBH TEST REPORT

SCOPE OF WORK

REPORT OF TESTING ON 8MM THICK MAX COMPACT EXTERIOR PANELS FOR COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CRITERIA: CAN/ULC S102-18-(R2024) STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND ASSEMBLIES.

REPORT NUMBER

106220061COQ-001A R0

TEST DATE(S)

09/15/25 - 09/15/25

ISSUE DATE

09/22/25

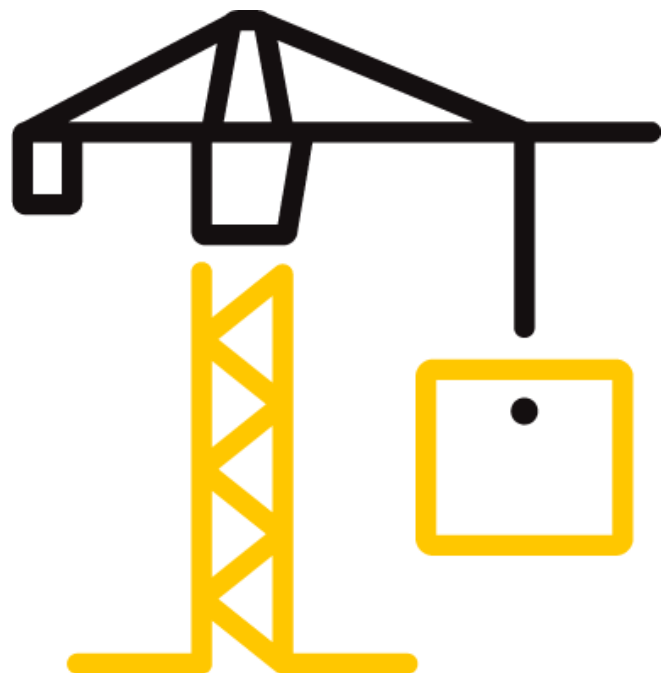
PAGES

15

DOCUMENT CONTROL NUMBER

GFT-OP-10c (09/29/20)

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TEST REPORT FOR FUNDERMAX GMBH

Report No.: 106220061COQ-001A R0

Date: 09/22/25

REPORT ISSUED TO

FUNDERMAX GMBH
KLAGENFURTER STRASSE 87-89
A-9300 ST VEIT/GLAN
AUSTRIA

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by FunderMax GMBH Klagenfurter Strasse 87-89 A-9300 St Veit/Glan Austria to perform testing in accordance with CAN/ULC S102-18 - (R2024) Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies on 8mm thick Max Compact Exterior Panels. 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.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

SECTION 2

SUMMARY OF TEST RESULTS

The samples of 8mm thick Max Compact Exterior Panels submitted by FunderMax GMBH were tested in accordance with CAN/ULC S102-18-(R2024) Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

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

For INTERTEK B&C:

COMPLETED BY:	Sean Fewer
TITLE:	Technician – B&C
SIGNATURE:	
DATE:	09/22/25

REVIEWED BY:	Greg Philp
TITLE:	Reviewer- B&C
SIGNATURE:	
DATE:	09/22/25

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SECTION 3**TEST METHOD(S)**

The specimens were evaluated in accordance with the following:

CAN/ULC S102-18-(R2024) Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.

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
WH2189	Photocell	Huygen 856	05/15/26
WH 2190	Smoke Opacity Meter	Huygen	05/15/26
WH 2494	Data Logger	Phidgets DAQ 2020	11/06/25
	FS Tunnel (S102)	N/A	12/23/25

SECTION 6**LIST OF OFFICIAL OBSERVERS**

NAME	COMPANY
Sean Fewer	Intertek B&C

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SECTION 7**TEST CALCULATIONS**

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 7620 mm 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 $23 \pm 3^{\circ}\text{C}$ ($73.4 \pm 5^{\circ}\text{F}$) and $50 \pm 5\%$ relative humidity.

The sample material measured 610mm wide by 3657mm long and was identified as 8mm thick Max Compact Exterior Panels.

For each trial run, two 610mm wide by 3657mm long sample material were placed on the upper ledge of the flame spread tunnel to form the required 7315mm sample length. A layer of 6mm 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 S102-18 at a room temperature of 22°C and 53% humidity.

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SECTION 9

TEST RESULTS

(A) Flame Spread

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

8mm thick Max Compact Exterior Panels	Flame Spread	Flame Spread Rating
Run 1	0	0
Run 2	0	
Run 3	0	

(B) Smoke Developed

The areas beneath the smoke developed curve and the related classifications are as follows:
(Classification rounded to nearest 5)

8mm thick Max Compact Exterior Panels	Smoke Developed	Smoke Developed Classification
Run 1	70	70
Run 2	69	
Run 3	72	

(C) Observations

During the test runs, surface ignition occurred between 50 and 56 seconds; the flame then began to progress along the sample length until it reached the maximum flame spread.

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SECTION 10**CONCLUSION**

The samples of 8mm thick Max Compact Exterior Panels submitted by FunderMax GMBH exhibited the following flame spread characteristics when tested in accordance with CAN/ULC S102-18-(R2024) 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
8mm thick Max Compact Exterior Panels	0	70

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.



Total Quality. Assured.

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1500 Brigantine Drive
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
www.intertek.com/building

SECTION 11

TEST DATA (6 PAGES)

TEST REPORT FOR FUNDERMAX GMBH

Report No.: 106220061COQ-001A R0

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CAN/ULC S102-18 DATA SHEETS

Run 1

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Standard: ULC S102

Lab ID: Intertek Coquitlam Fire Laboratory
Client: Fundermax
Date: 15 Sep 2025
Project Number: 106220061
Test Number: 1
Operator: Sean Fewer

Specimen ID and Description:

8mm max compact exterior

TEST RESULTS

FLAMESPREAD INDEX: 0.000
SMOKE DEVELOPED INDEX: 70.000

SPECIMEN DATA

Time to Ignition (sec): 52.061
Time to Max Flame Spread (min): 0.000
Maximum Flame Spread (mm): 0.000
Time to 527 C / 980 F (sec): 0.000
Max Temperature (deg F or C as per test standard): 282.197
Time to Max Temperature (sec): 598.060
Total Fuel Burned (cubic feet): 41.745

Flame Spread*Time Area (M*min): 0.000
Smoke Area (%A*min): 100.805
Unrounded FSI: 0.000
Unrounded SDI: 69.846

CALIBRATION DATA

Time to Ignition of Last Red Oak (sec): 43
Calibrated Smoke Area (%A*min): 144.326

15 point Heptane average for E84-19b
5 point Red Oak average for S102

Tested by: SF.

Reviewed by: JP

TEST REPORT FOR FUNDERMAX GMBH

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CAN/ULC S102-18 DATA SHEETS

Run 1

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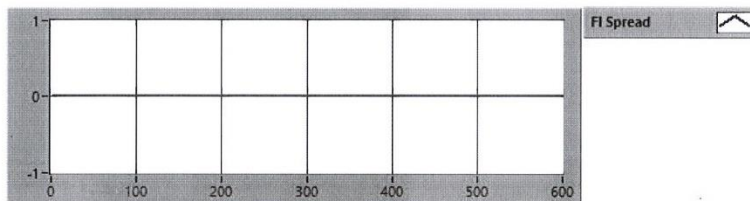
Client: Fundermax

Project Number: 106220061

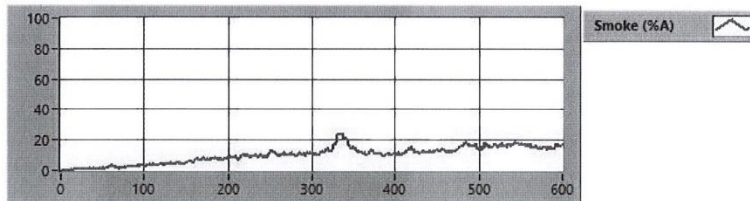
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Test Standard: ULC S102

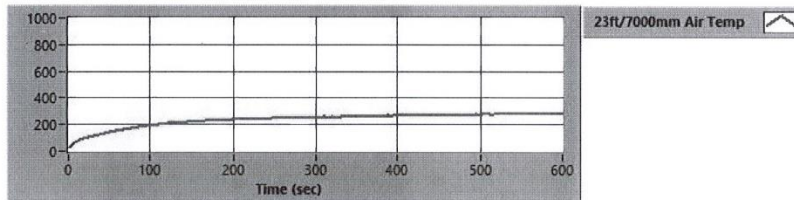
FLAME SPREAD



SMOKE (%A)



TEMPERATURE



Tested by: SF

Reviewed by: SP

TEST REPORT FOR FUNDERMAX GMBH

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CAN/ULC S102-18 DATA SHEETS

Run 2

Page 1 of 2

Standard: ULC S102

Lab ID: Intertek Coquitlam Fire Laboratory

Client: Fundermax

Date: 15 Sep 2025

Project Number: 106220061

Test Number: 2

Operator: Sean Fewer

Specimen ID and Description:

8mm max compact exterior

TEST RESULTS

FLAMESPREAD INDEX: 0.000

SMOKE DEVELOPED INDEX: 69.000

SPECIMEN DATA

Time to Ignition (sec): 56.020

Time to Max Flame Spread (min): 0.000

Maximum Flame Spread (mm): 0.000

Time to 527 C / 980 F (sec): 0.000

Max Temperature (deg F or C as per test standard): 293.314

Time to Max Temperature (sec): 599.021

Total Fuel Burned (cubic feet): 41.754

Flame Spread*Time Area (M*min): 0.000

Smoke Area (%A*min): 99.939

Unrounded FSI: 0.000

Unrounded SDI: 69.245

CALIBRATION DATA

Time to Ignition of Last Red Oak (sec): 43

Calibrated Smoke Area (%A*min): 144.326

15 point Heptane average for E84-19b
5 point Red Oak average for S102

Tested by: S.F.

Reviewed by: SP

TEST REPORT FOR FUNDERMAX GMBH

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CAN/ULC S102-18 DATA SHEETS

Run 2

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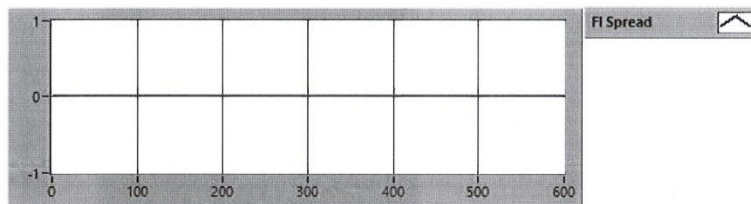
Client: Fundermax

Project Number: 106220061

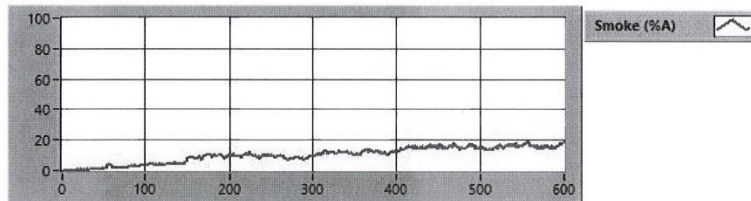
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Test Standard: ULC S102

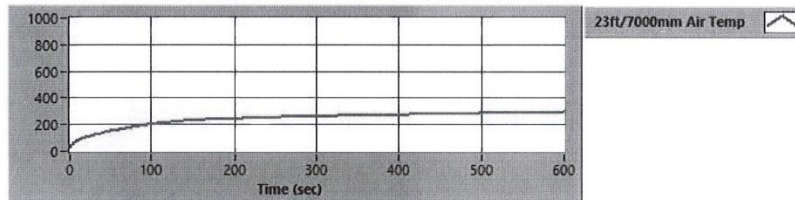
FLAME SPREAD



SMOKE (%A)



TEMPERATURE



Tested by: SF

Reviewed by: JP

TEST REPORT FOR FUNDERMAX GMBH

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CAN/ULC S102-18 DATA SHEETS

Run 3

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Standard: ULC S102

Lab ID: Intertek Coquitlam Fire Laboratory

Client: Fundermax

Date: 15 Sep 2025

Project Number: 106220061

Test Number: 3

Operator: Sean Fewer

Specimen ID and Description:

8mm max compact exterior

TEST RESULTS

FLAMESPREAD INDEX: 0.000

SMOKE DEVELOPED INDEX: 72.000

SPECIMEN DATA

Time to Ignition (sec): 49.976

Time to Max Flame Spread (min): 0.000

Maximum Flame Spread (mm): 0.000

Time to 527 C / 980 F (sec): 0.000

Max Temperature (deg F or C as per test standard): 296.845

Time to Max Temperature (sec): 586.976

Total Fuel Burned (cubic feet): 41.751

Flame Spread*Time Area (M*min): 0.000

Smoke Area (%A*min): 103.495

Unrounded FSI: 0.000

Unrounded SDI: 71.709

CALIBRATION DATA

Time to Ignition of Last Red Oak (sec): 43

Calibrated Smoke Area (%A*min): 144.326

15 point Heptane average for E84-19b
5 point Red Oak average for S102

Tested by: SF

Reviewed by: SP

TEST REPORT FOR FUNDERMAX GMBH

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CAN/ULC S102-18 DATA SHEETS

Run 3

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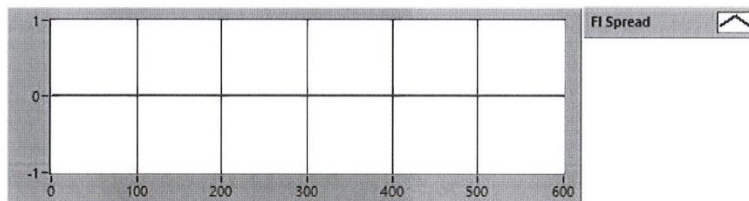
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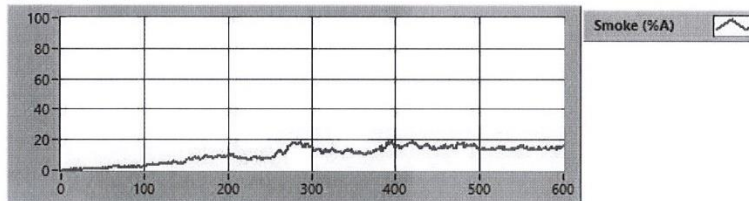
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Test Standard: ULC S102

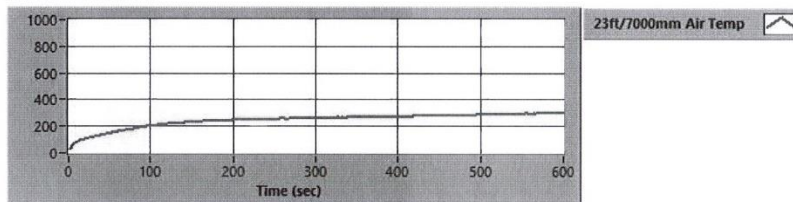
FLAME SPREAD



SMOKE (%A)



TEMPERATURE



Tested by: S.F.

Reviewed by: JP

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SECTION 12 PHOTOGRAPHS

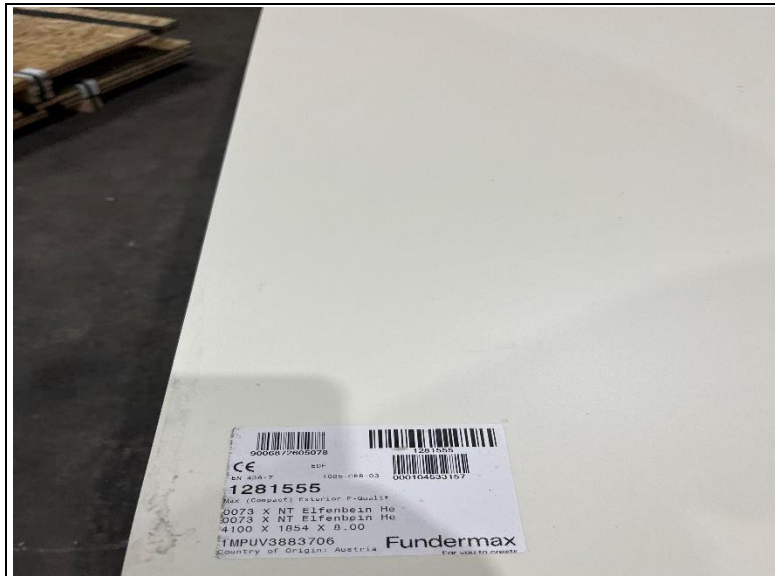


Photo No. 1
Pre-Test

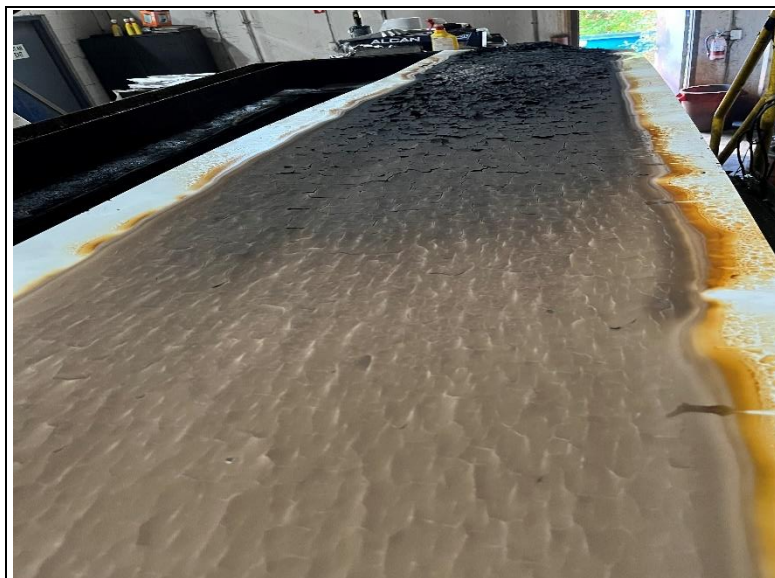


Photo No. 2
Post Test



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SECTION 13

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	09/22/25	N/A	Original Report Issue