intertek
Total Quality. Assured.

CANADIAN FIBRE CEMENT
TEST REPORT

SCOPE OF WORK
TESTING OF 8MM THICK HIGH DENSITY CEMENT BOARD PANEL MATERIAL FOR COMPLIANCE WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CRITERIA: CAN/ULC S114-18, STANDARD METHOD OF TEST FOR DETERMINATION OF NON-COMBUSTIBILITY IN BUILDING MATERIALS.

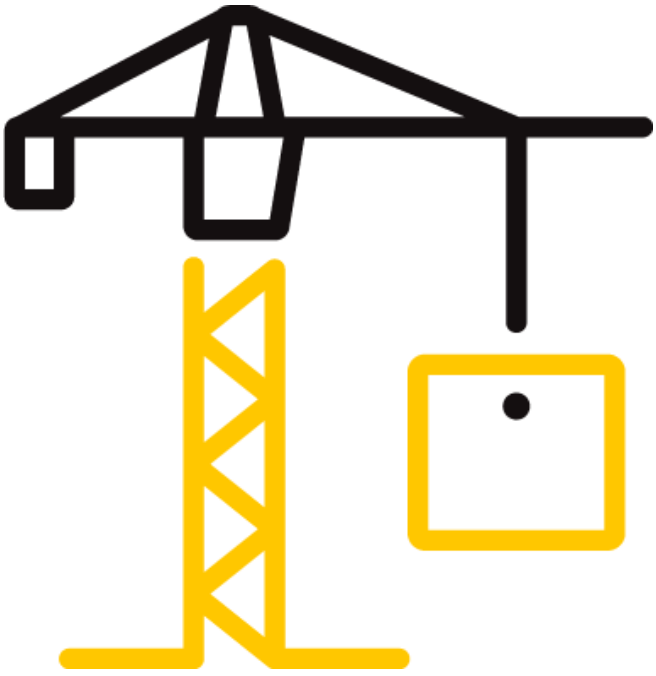
REPORT NUMBER
105946192COQ-001A R0

TEST DATE(S)
09/04/24 - 09/04/24

ISSUE DATE
09/10/24

PAGES
6

DOCUMENT CONTROL NUMBER
GFT-OP-10C (09/29/20)



1500 Brigantine Dr.
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
Facsimile: 604-524-9186
www.intertek.com/building

TEST REPORT FOR CANADIAN FIBRE CEMENT

Report No.: 105946192COQ-001A R0
Date: 09/10/24

REPORT ISSUED TO

CANADIAN FIBRE CEMENT
1720 - 633 6 Ave SW,
Calgary, AB T2P 2Y5 Canada

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Canadian Fibre Cement 1720 - 633 6 Ave SW, Calgary, AB, T2P2Y5 Canada to perform testing in accordance with CAN/ULC S114-18, Standard Method of Test for Determination of Non-Combustibility in Building Materials, on their 8mm thick High-Density cement board panel 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.

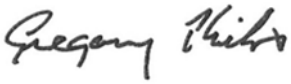
Unless differently required, Intertek reports apply the "Simple Acceptance" rule also called “Shared Risk approach,” of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

SECTION 2

SUMMARY OF TEST RESULTS

The samples of 8mm thick High-Density cement board panel material submitted by Canadian Fibre Cement meets the requirements to be classified as non-combustible in accordance with CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in Building Materials*.

COMPLETED BY:	Greg Philp	**REVIEWED BY:**	Salvatore Balletta
TITLE:	Technician – Fire	**TITLE:**	Reviewer- B&C
SIGNATURE:		**SIGNATURE:**	
DATE:	09/10/24	**DATE:**	09/10/24

1500 Brigantine Dr.
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
Facsimile: 604-524-9186
www.intertek.com/building

SECTION 3
TEST METHOD(S)

The specimens were evaluated in accordance with the following:

CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in 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
P50624	Stopwatch	Extech	12/15/24
P52606	Scale	Setra	03/13/25
P60758	S114 Furnace	N/A	10/08/24
P60554	Data Logger	Graphtec GL820	01/05/25
P60613	Conditioning Oven	Shel Lab	N/A

SECTION 6
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Greg Philp	Intertek B&C

1500 Brigantine Dr.
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
Facsimile: 604-524-9186
www.intertek.com/building

TEST REPORT FOR CANADIAN FIBRE CEMENT
Report No.: 105946192COQ-001A R0
Date: 09/10/24

SECTION 7
TEST PROCEDURE

Prior to testing of the samples at the Intertek Coquitlam laboratory, they were placed in an oven to dry at a temperature 60 ± 3°C (140 ± 5°F) for not less than 24 hrs. and no more than 48 hrs. After being dried the samples were cooled to room temperature before being tested.

Each test specimen measured 38 mm. by 38 mm. by 50 mm. After the specimens were conditioned, they were weighed and then tested in accordance with the test standard. The material shall be reported as non-combustible if:

A The mean of the maximum temperature rise for the three (or more) specimens of the sample during the test does not exceed 36°C; and

B There is no flaming of any of the three (or more) specimens during the last 14 minutes and 30 seconds of the test; and

Note: Any surface flash, transitory flaming or sustained flaming constitutes flaming for the purpose of this requirement.

i. The maximum loss of mass of any of the three (or more) specimens during the test does not exceed 20%; or
ii. The maximum loss of mass of any of the three (or more) specimens during the test shall not exceed 22% and the following two criteria are met for any of the three (or more) specimens during the test:
    a) The indicating thermocouple T1 shall not rise above the stabilized furnace temperature T2 at any time during the test; and
    b) No flaming from the specimens shall be observed at any time during the test.

Three of four specimens must meet the above conditions in order to be considered non-combustible in accordance with CAN/ULC S114-18.

SECTION 8
TEST SPECIMEN DESCRIPTION

The submitted samples were described by the client as 8mm thick High-Density cement board panel material Each sample measured 38 mm by 38 mm x 50 mm.

1500 Brigantine Dr.
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
Facsimile: 604-524-9186
www.intertek.com/building

SECTION 9

TEST RESULTS

Sample Number	Allowable Temp. Rise (°C)	Temp. Rise Above Initial (°C)	Flaming After 30 Secs.	Weight Loss (%)	Pass/Fail
1	36	23	No	13.4	Pass
2	36	25	No	13.8	Pass
3	36	27	No	13.4	Pass
4	36	N/A	N/A	N/A	N/A

TEST OBSERVATIONS

Test #1 – Maximum temperature at TC 1 770°C.; TC 2. 755°C There was no visible smoke or surface ignition
Test #2 – Maximum temperature at TC 1 772°C. TC 2. 748°C; There was no visible smoke or surface ignition.
Test #3 – Maximum temperature at TC 1 775°C. TC 2. 758°C; There was no visible smoke or surface ignition.

SECTION 10

CONCLUSION

The samples of 8mm thickHigh-Density cement board panel material submitted by Canadian Fibre Cement meets the requirements to be classified as non-combustible in accordance with CAN/ULC S114-18, *Standard Method of Test for Determination of Non-Combustibility in Building Materials*.

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.

1500 Brigantine Dr.
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
Facsimile: 604-524-9186
www.intertek.com/building

SECTION 11
PHOTOGRAPHS

Pre-Test

Post Test

1500 Brigantine Dr.
Coquitlam, BC V3K 7C1

Telephone: 604-520-3321
Facsimile: 604-524-9186
www.intertek.com/building

SECTION 12
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	09/10/24	N/A	Original Report Issue