

KNOTWOOD **TEST REPORT**

SCOPE OF WORK

CAN/ULC-S114-2018; STANDARD METHOD OF TEST FOR DETERMINING NON-COMBUSTIBILITY IN BUILDING MATERIALS ON KEC150.

REPORT NUMBER

104061186MID-002

TEST DATE

09/17/19

ISSUE DATE

09/18/19

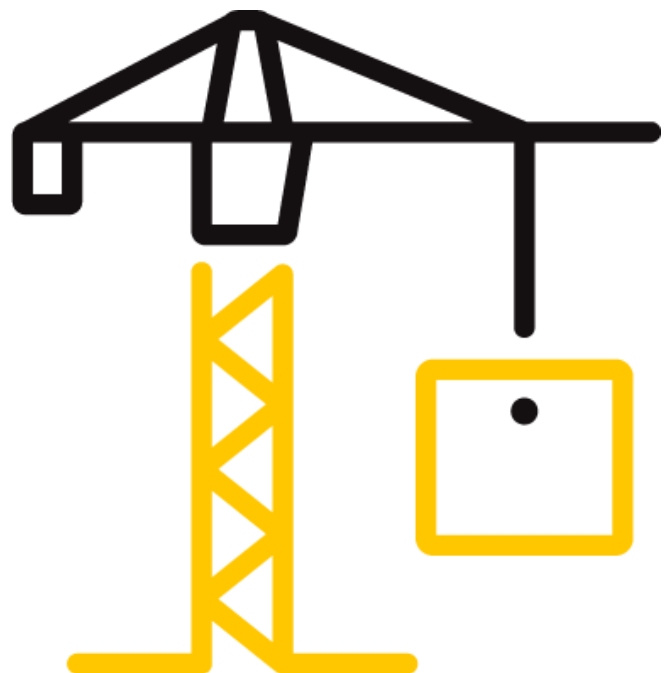
PAGES

5

DOCUMENT CONTROL NUMBER

GFT-OP-10c (AUGUST 27, 2018)

© 2017 INTERTEK



TEST REPORT FOR KNOTWOOD

Report No.: 104061186MID-002

Date: 09/18/19

REPORT ISSUED TO

KNOTWOOD, A DIVISION OF OMNIMAX INTERNATIONAL, INC.

30 Technology Parkway South
Suite 400
Peachtree Corners, GA 30092

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Knotwood, a division of OmniMax International, Inc., 30 Technology Parkway South, Suite 400, Peachtree Corners, GA 30092 to perform testing in accordance with CAN/ULC-S114-2018; Standard Method of Test for Determining Non-Combustibility in Building Materials, on their KEC150. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at Intertek test facility in Middleton, WI.

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

KEC150 met the specified performance requirements.

For INTERTEK B&C:

COMPLETED BY:	Joel Zumwalt	REVIEWED BY:	Sandy Osborne
TITLE:	Lab Technician III	TITLE:	Lab Technician I
SIGNATURE:		SIGNATURE:	
DATE:	09/18/19	DATE:	09/18/19

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TEST REPORT FOR KNOTWOOD

Report No.: 104061186MID-002

Date: 09/18/19

SECTION 3

TEST METHOD

The specimens were evaluated in accordance with the following:

CAN/ULC-S114-2018; *Standard Method of Test for Determining Non-Combustibility in Building Materials*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Test samples were provided by the client. Samples were received at the Evaluation Center on September 9, 2019 in good condition verified by Sample ID# MID1909111438-001

SECTION 5

EQUIPMENT

EQUIPMENT			
ASSET # - DESCRIPTION:	DAQ -1275	CALIBRATION DUE:	3/1/2020
ASSET # - DESCRIPTION:	Furnace - 1230	VBU:	9/17/2019
ASSET # - DESCRIPTION:	Calipers - 1602	CALIBRATION DUE:	7/9/2020
ASSET # - DESCRIPTION:	Stopwatch - 1251	CALIBRATION DUE:	7/8/2020
ASSET # - DESCRIPTION:	Temp/Humid Reader - 1456	CALIBRATION DUE:	4/15/2020
ASSET # - DESCRIPTION:	Temp/Humid Reader Sample Rm - 1451	CALIBRATION DUE:	12/4/2019
ASSET # - DESCRIPTION:	Oven-1200	FRO:	NA

SECTION 6

TEST PROCEDURE

Testing was conducted in accordance with Section 4; Procedure of the standard.

SECTION 7

TEST SPECIMEN DESCRIPTION

Samples were received as 150 pieces of KEC150 described by the client as Uncoated Aluminum Knotwood Cladding Board silver in color. The pieces measured approximately 38 mm by 38 mm by 1.50 mm thick. Approximately 33 pieces were then stacked by Intertek to generate a sample height of approximately 49 mm.

TEST REPORT FOR KNOTWOOD

Report No.: 104061186MID-002

Date: 09/18/19

SECTION 8

TEST RESULTS

OBSERVATIONS	
Specimen	Observations (quality, quantity or intensity and duration of flaming and/or smoking; and change in state)
1	Sample started glowing @1:45, no visible smoke or flames during test run, no apparent change of state to sample after test run.
2	Sample started glowing @1:59, no visible smoke or flames during test run, no apparent change of state to sample after test run.
3	Sample started glowing @2:05, no visible smoke or flames during test run, no apparent change of state to sample after test run.
4	Sample started glowing @1:57, no visible smoke or flames during test run, no apparent change of state to sample after test run.

RESULTS						
Specimen	Initial Weight (g)	Final Weight (g)	Weight Loss (%)	Initial Furnace Temp T2 (°C)	Controlling Thermocouple T2 (°C)	Indicating Thermocouple T1 (°C)
1	193.1	192.9	0%	749.9	751.6	716.5
2	188.5	188.3	0%	749.9	749.2	726.3
3	194.6	194.5	0%	749.9	748.5	720.3
4	193.7	193.7	0%	749.9	750.0	713.3
Average	192.5	192.4	0%	749.9	749.8	719.1

RESULTS				
Specimen	1	2	3	4
Stabilized Furnace Temperature T2 (°C)	749.9	749.9	749.9	749.9
Difference of Indicating Thermocouple Temp with T2 (°C)	-33.4	-23.6	-29.6	-36.5
Difference of Controlling Thermocouple Temp with Stabilized Furnace Temperature T2 (°C)	1.7	-0.7	-1.4	1.0

SECTION 9

CONCLUSION

The maximum loss of mass of any specimen did not exceed 20%. The mean of the maximum temperature rise of the specimens did not exceed 36°C. There was no flaming from the test specimens during the last 14min and 30s of the test.

KEC150 met the specified performance requirements.



Total Quality. Assured.

8431 Murphy Drive
Middleton, Wisconsin 53562

Telephone: 608-836-4400
Facsimile: 608-831-9279
www.intertek.com/building

TEST REPORT FOR KNOTWOOD

Report No.: 104061186MID-002

Date: 09/18/19

SECTION 10 REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	09/18/19	5	Original Report Issue