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October 03, 2025

Renee Butler
Ghent Manufacturing Inc
2999 HENKLE DR
LEBANON, OH

Project: 4791738145
Subject: Report Of Surface Burning Characteristics Tests On Samples As Submitted By Ghent Manufacturing Inc

Dear Renee Butler,

This is a Report summarizing the results of a test conducted under investigation 4791738145 on an office panel system submitted by Ghent Manufacturing Inc.

SCOPE

This investigation consisted of conducting 1 surface burning characteristic tests in accordance with ANSI/UL723 "Test for Surface Burning Characteristics of Building Materials" on an office panel system supplied by Ghent Manufacturing Inc.

GENERAL

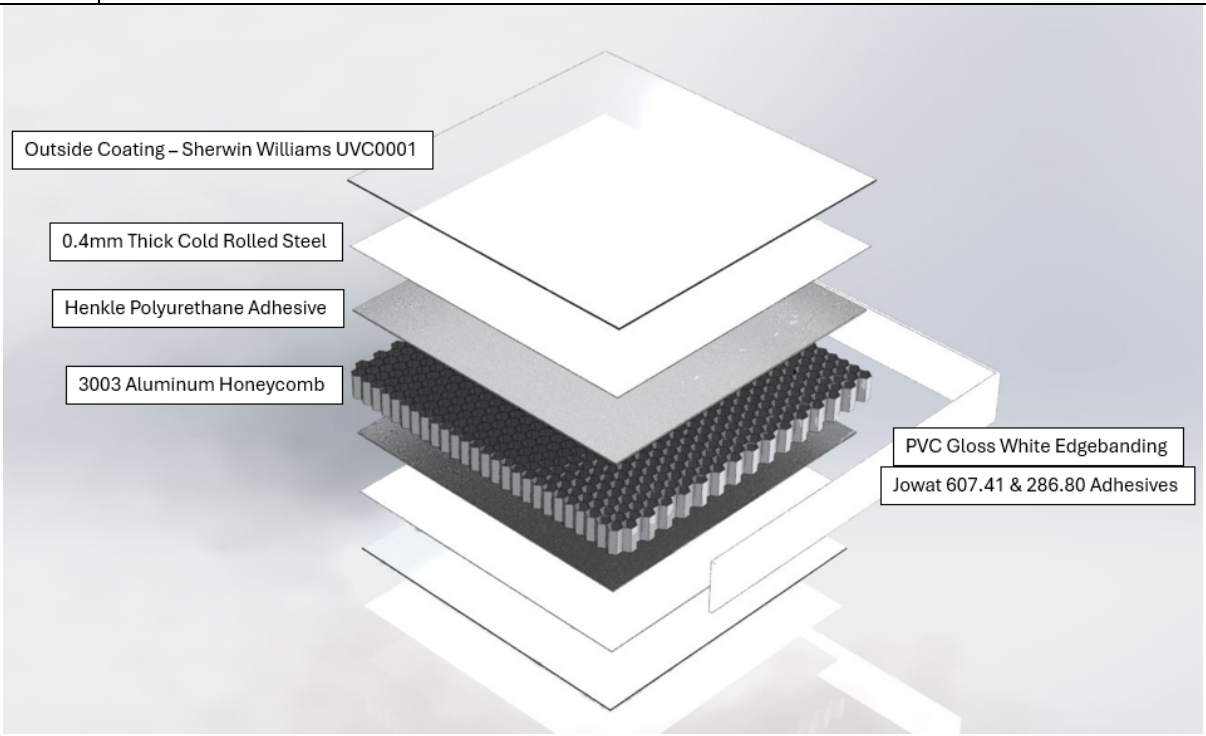
The results relate only to items tested.

SAMPLES

The samples utilized in this investigation were supplied by Ghent Manufacturing Inc and are identified by the test sponsor as shown in the table below.

Sample Description

Test No.	System
1	Frameless Magnetic Whiteboard Sample See below for construction:



Due to the rigidity for the test samples, supplementary means of support were not required.

TEST METHOD

Each test was conducted in accordance with Standard ANSI/UL723, Eleventh Edition, dated April 27, 2023, "Test for Surface Burning Characteristics of Building Materials", (ASTM E84).

The test determines the Surface Burning Characteristics of the material, specifically the flame spread and smoke developed indices when exposed to fire.

The maximum distance the flame travels along the length of the sample from the end of the igniting flame is determined by observation. The Flame Spread Index of the material is derived by plotting the progression of the flame front on a time-distance basis, ignoring any flame front recession, and using the equations described below:

A. $CFS = 0.515\ A_T$ when A_T is less than or equal to 97.5 minute-foot.

B. $CFS = 4900/(195-A_T)$ when A_T is greater than 97.5 minute-foot.

Where A_T = total area under the time distance curve expressed in minute-foot.

The Smoke Developed Index (SDI) is determined by rounding the Calculated Smoke Developed (CSD) as described in UL 723. The CSD is determined by the output of photoelectric equipment operating across the furnace flue pipe. A curve is developed by plotting the values of light absorption (decrease in cell output) against time. The CSD is derived by expressing the net area under the curve for the material tested as a percentage of the area under the curve for untreated red oak.

The CSD is expressed as:

$CSD = (A_m/A_{ro}) \times 100$

Where:

CSD = Calculated Smoke Developed
A_m = The area under the curve for the test material.
A_{ro} = The area under the curve for untreated red oak.

RESULTS

The data obtained included flame spread and smoke developed indexes as well as time of maximum flame travel and the respective distance. The results for each test are considered applicable to the specific sample tested and are summarized in the table below.

Attached are a data summary sheet and a graphs of the flame travel (ft) vs. time (sec.), light obscuration (%) vs. time (sec.), for each test.

Data Summary

Test No.	CFS (Calculated Flame Spread)	Flame Spread Index	CSD (Calculated Smoke Developed)	Smoke Developed Index	Test Duration (min:sec)	Test Code
1	9.83	10	39.9	40	10:00	NTN09252505

No Classification or Listing is being established solely on the data developed under this project.

UL LLC did not select the samples, determine whether the samples were representative of production samples or witness the production of the test samples, nor were we provided with information relative to the formulation or complete identification of component materials used in the test samples. The test results apply only to the actual samples tested.

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We are closing the project and instructing our Accounting Department to bill you for costs incurred.

Should you have any questions or comments on the above, please do not hesitate to contact the undersigned.

Very truly yours

Craig McArthur

Craig McArthur
Staff Engineer

Project:	4791738145	File:	NC	TestCode:	505
Tested by:	Abran Garcia	Engineer:	Craig McArthur	Date:	2025-09-25

TEST METHOD: The test was conducted in accordance with UL 723, Eleventh Edition (2018/04/19).

Client Name:	Ghent Manufacturing Inc				
Test Duration	10 minutes	Test No.:	1	Hot Test:	No
Mounting:	Self	Test Type:	New Work- Classification	Burn-Out Required:	No

Test Sample: Frameless Magnetic Whiteboard Sample

FLAME SPREAD RESULTS

Ceiling Flame Spread Data

Distance (Feet)		Time (Sec)		Distance (Feet)		Time (Sec)
Ignition		20		1.5		30
0.5		25		2		33
1		28				

Floor Flame Spread Data

Distance (Feet)		Time (Sec)		Distance (Feet)		Time (Sec)
Ignition		41		2.5		65
0.5		46		3		68
1		48		3.5		72
1.5		57		4		75
2		61				

Calculated Flame Spread (CFS):	9.83
Flame Spread Index (FSI):	10
Time to Ignition (sec):	20
Maximum Flame Spread (ft):	2.0
Area Under the Flame Spread Curve (ft.-min):	19.1
Time to Floor Ignition (sec):	41
Maximum Floor Flame Spread (ft):	4.0
Calculated Floor Flame Spread:	18.56

SMOKE RESULTS

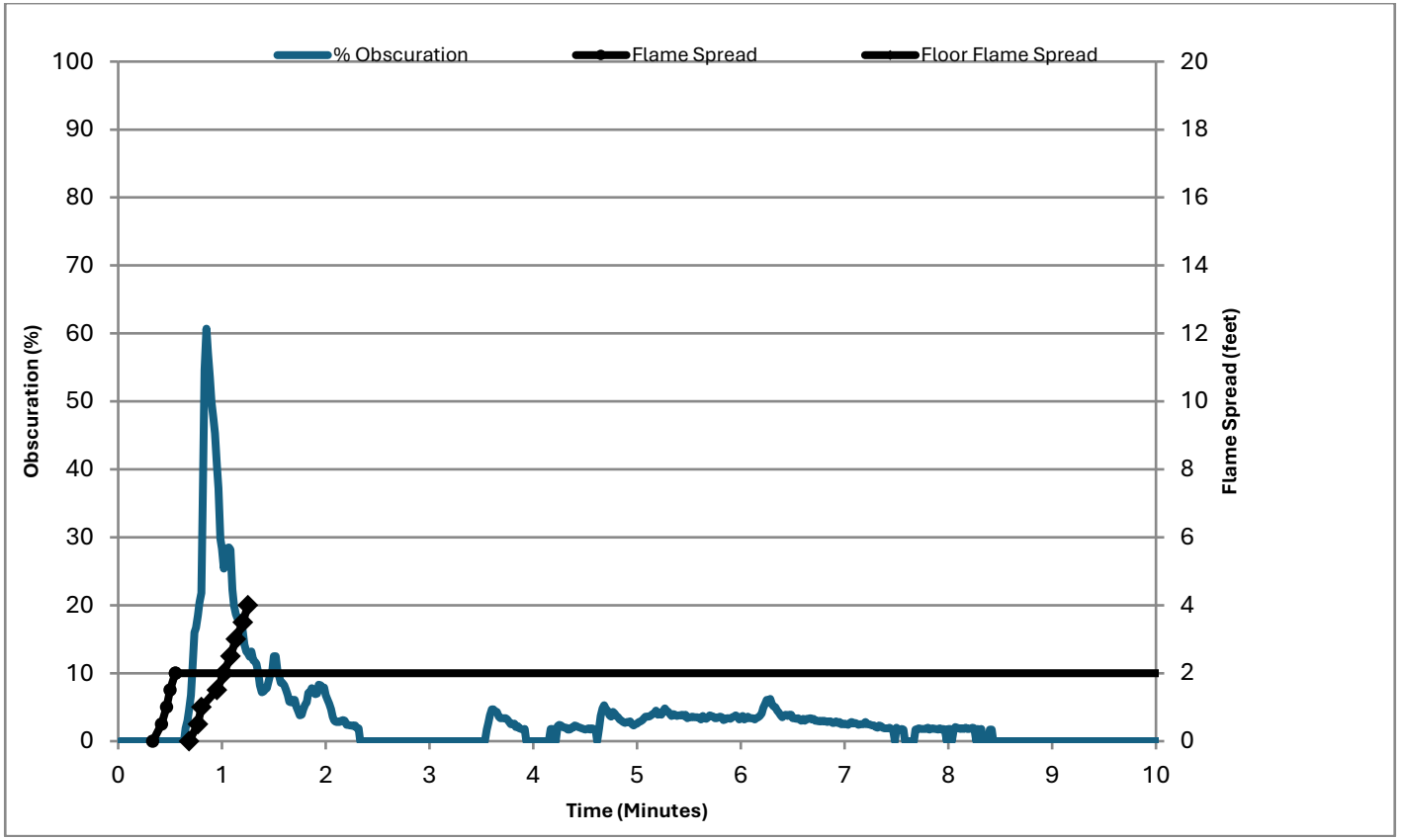
Calculated Smoke Developed (CSD):	39.9
Smoke Developed Index (SDI):	40
Area Under the Smoke Curve (Obs-min.):	36.06
Area Under Heptane (Obs-min.):	90.4
Area Under the Smoke Curve Before Floor Ignition (Obs-min.):	0.06
Smoke Developed Prior to Floor Ignition:	0.1

Post-Test Observations

Discoloration (Feet From Burner):	24

Flame Spread / Smoke Results

Ghent Manufacturing Inc
Frameless Magnetic Whiteboard Sample



Test Num.: 1
NC / 4791738145
NTN09252505

Flame Spread Index:	10
Smoke Developed Index:	40
Max. Flame Spread (ft.):	2.0