EUROLAB®
Laboratory Services

TEST/INSPECTION REPORT

EUROLAB LABORATORY SERVICES

TÜRCERT TEKNİK KONTROL VE BELGELENDİRME A.Ş.

UNITED ACCREDITATION FOUNDATION

5190243IB02

2022160355

Report No:	2022160355
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Sample Accepted on :	07.03.2022
Test Resulted Date :	16.03.2022
Total number of pages :	6 (Pg)

Sample ID : **½"-9 mm siyah izole**

	TEST	METHOD	RESULT	
*	Test for Surface Burning Characteristics of Building Materials	UL 723	PASS	
			CLASS A	
			FSI	SDI
			24	108

EUROLAB LABORATORY SERVICES APPROVED

Seal

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Environment

The requirements and standards apply to equipment intended for use in

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment

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UL 723-Standard Test Method for Surface Burning Characteristics of Building Materials

Scope

This test method for the surface combustion properties of building materials can be applied to any building material that can support itself or be supported in its position in the test furnace, either by its structural quality or the way it is applied.
The purpose of the test is to determine the comparative combustion characteristics of the material under test by assessing the spread of the flame on its surface and the density of the smoke generated during it.
This test method aims to record performance over the exposure period.

Mehtod

This test method aims to record performance over the exposure period.
It determines the performance of building structures and materials under fire exposure conditions when included in a test structure and when exposed to a standard controlled fire.

Procedure

While the furnace blank is in operation, the test specimen will be placed on the test chamber protrusions that are fully covered with a nominal 3.2 mm thick and 38.1 mm wide woven fiberglass sealing tape. The sample should be placed as quickly as is practical. The removable top should be placed over the sample.
The fully assembled sample should remain in position in the chamber with the furnace draft running for 120 ±15 s prior to application of the test flame.
The burner gas must be ignited. Sample ignition time and flame formation time and distance of flame front propagation should be observed and recorded when the room is dark. The test will continue for a period of 10 minutes, but if the sample is completely consumed in the fire area, no further gradual combustion is evident, and the photoelectric cell reading is not prohibited, the test is not terminated before 10 minutes have passed. back to baseline.
Photoelectric cell output will be recorded immediately before and at least every 2 seconds during testing.
The gas pressure, the pressure difference across the orifice plate, and the volume of gas used in each test should be recorded.
When the test is finished, the gas supply will be shut off, smoldering and other conditions within the test channel will be observed, and the sample will be removed for further examination.
The flame propagation distance and variation in photoelectric cell readings will be plotted for use in determining Classification, flame propagation and smoke enhanced indices. if no flame propagation has been recorded, the onset time or at time intervals not exceeding 30 seconds. In addition, the peak should be noted along with the time of occurrence. The flame propagation distance should be the observed distance minus 1.37 m.

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RESULTS

Calculated Flame Spread (CFS)	Rounded Flame Spread Index (FSI)	Calculated Smoke Developed (CSD)	Rounded Smoke Developed Index (SDI)	Max Temperature to Exposure (◦F)
23.5	24	109	108	523

Observations of Burning Characteristics

- A slight flare was seen in the sample approximately 59 seconds after the test was exposed to fire.

- The front of the flame spread to a maximum distance of 0.3m in about 86 seconds.

Classification:

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

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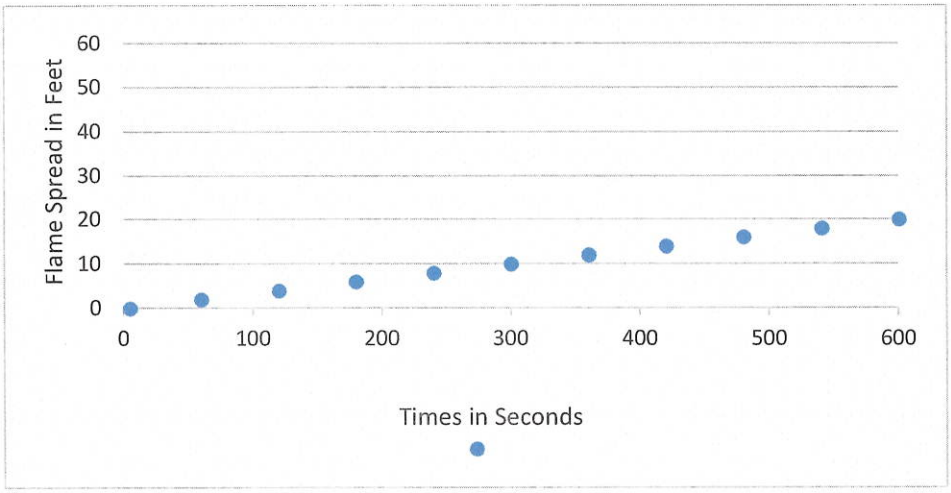
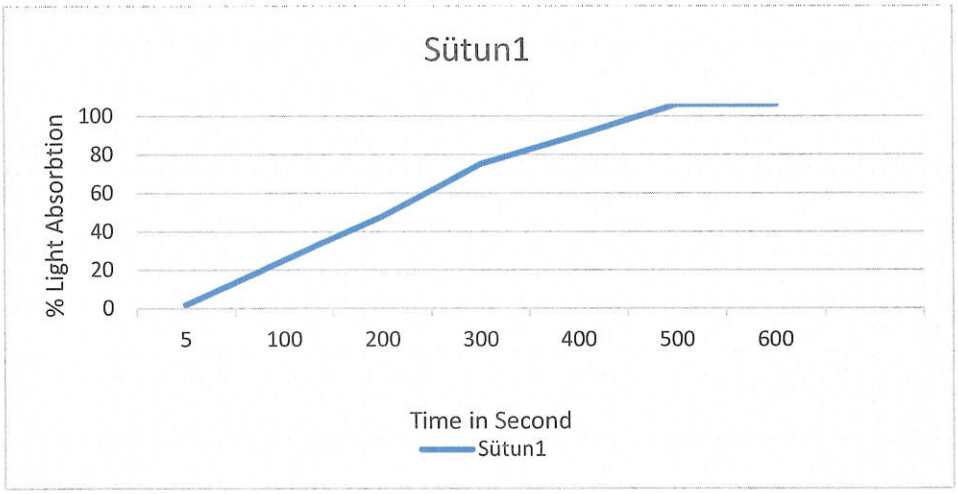
FLAME SPREAD INDEX



SMOKE DEVELOPED



Flame Spread (Index FSI)	Smoke Developed (SD)
24	108

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IMAGE

End of Report

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