

TEST FACILITY

Capital Testing and Certification Service
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CLIENT

Smooth-On, Inc.
 5600 Lower Macungie Rd.
 Macungie, PA 18062
 (610) 252-5800

Test Report No: T-16929	Date: December 1, 2022
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SAMPLE ID: "Maker Pro Paint"

SAMPLING DETAIL: The Maker Pro Paint samples had been applied onto the test sample cement boards by the client at a nominal thickness of 3 ml dry. Eight (8) test sample cement boards with dimensions of 0.25" x 24" x 36" were submitted to the laboratory directly by the client.

TEST DATE: November 29, 2022

KEY TEST PERFORMED: ASTM E84, Surface Burning Characteristics of Building Materials

TEST DESCRIPTION: This test method is intended to provide comparative measurements of surface flame spread and smoke density measurements with that of select grade red oak and fiber-cement board surfaces under the specific fire exposure conditions. The results of ASTM E84 testing are commonly used by building code officials and regulatory agencies to determine whether a product is suitable for its intended application. The test standard itself does not establish specific performance criteria or contain a classification system. The most commonly used classification system can be found in the International Code Council publication International Building Code (*IBC*), the National Fire Protection Association publication NFPA 101 (*Life Safety Code*) and the National Fire Protection Association publication NFPA 5000 (*Building Construction and Safety Code*). The standard is often used interchangeably with UL 723, NFPA 255, and UBC 8-1. The results of ASTM E84 testing are reported as Flame Spread Index (FSI) and Smoke Developed Index (SDI).

SUMMARY RESULTS: Flame Spread Index (FSI): 0
 Smoke Developed Index (SDI): 0
 Flames were present after the test concluded and the burner was extinguished: NO
 Smoldering/glowing was present after the test concluded and the burner was extinguished: NO.

CLASSIFICATION:	<u>Class</u>	<u>Flame Spread Index (FSI)</u>	<u>Smoke Developed Index (SDI)</u>
	A	0-25	0-450
	B	26-75	0-450
	C	76-200	0-450

Class A, B and C correspond to Type I, II and III respectively in other codes such as SBCCI, BOCA and ICBO. The classifications above do not preclude a material being otherwise classified by the authority having jurisdiction (AHJ).

CONCLUSIONS: Based on the reported Results and cited Code Classification System, the item tested is assigned an ASTM E84 Class I or A rating.

REPORT WRITTEN BY: Chris Kaiser, Lab Technician II

REVIEWED/APPROVED BY: Chris Palumbo, Sr. Manager of Product Testing

TEST RENDERED TO: Smooth-On, Inc.

ASTM E84 STANDARD LANGUAGE AND DISCLAIMERS: The following language was taken directly from the ASTM E84 standard. It has been included for information purposes.

The purpose of this test method is to determine the relative burning behavior of the material by observing the flame spread along the specimen. Flame spread and smoke developed index are reported. However, there is not necessarily a relationship between these two measurements. - ASTM E84-22, Section 1.3

The use of supporting materials on the underside of the test specimen has the ability to lower the flame spread index from those which might be obtained if the specimen could be tested without such support. These test results do not necessarily relate to indices obtained by testing materials without such support. - ASTM E84-22, Section 1.4

Testing of materials that melt, drip, or delaminate to such a degree that the continuity of the flame front is destroyed, results in low flame spread indices that do not relate directly to indices obtained by testing materials that remain in place. - ASTM E84-22, Section 1.5

This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire-hazard or fire-risk assessment of the materials, products, or assemblies under actual fire conditions. - ASTM E84-22, Section 1.8

This test method does not provide for the following: Measurement of heat transmission through the tested surface; the effect of aggravated flame spread behavior of an assembly resulting from the proximity of combustible walls and ceilings; or classifying or defining a material as noncombustible, by means of a flame spread index by itself. - ASTM E84-22, Section 4.3