TEST REPORT

REPORT NUMBER: 102777060MID-007REV3
ORIGINAL ISSUE DATE: December 29, 2016
REVISED DATE: February 8, 2017

EVALUATION CENTER
Intertek
8431 Murphy Drive
Middleton, WI 53562

RENDERED TO
Foshan Vanco Building Materials Co., Limited
Shunde Technology & Innovation Center
South Chaogui Rd. Blgd#3 Rm904
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China
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PRODUCT EVALUATED: Alcatop®
EVALUATION PROPERTY: ASTM D1929

Report of Testing of Alcatop® for compliance with the applicable requirements of the following criteria: ASTM D1929- 16; Standard Test Method for Determining Ignition Properties of Plastics.

1 Table of Contents

2 Introduction

Intertek has conducted testing for Foshan Vanco Building Materials Co., Limited on Alcatop® to evaluate the laboratory determination of the spontaneous-ignition temperatures and flash-ignition temperatures of plastics using a hot air furnace. Testing was conducted in accordance with ASTM D1929- 16, Standard Test Method for Determining Ignition Temperature of Plastics. This evaluation began December 28, 2016 and was completed December 29, 2016.

3 Test Samples

3.1. SAMPLE SELECTION

Samples were submitted to Intertek directly from the client. Samples were received at the Evaluation Center on December 27, 2016 in good condition.

3.2. SAMPLE AND ASSEMBLY DESCRIPTION

Sample Name: Alcatop®
Sample Description: 4MM A2 Aluminum Composite Panel

Specimens consisted of sheet material cut by Intertek into squares approximately 20 ± 2 by 20 ± 2.

The test samples were conditioned for a minimum of 40 hours at 23± 2°C and 50± 5% relative humidity prior to testing.

4 Testing and Evaluation Methods

4.1 TEST STANDARD

4.1.1 Flash Ignition Temperature (FIT):

Testing for Flash Ignition Temperature is conducted in accordance with Section 8.1 of the standard.

4.1.2 Spontaneous Ignition Temperature (SIT):

Testing for Spontaneous Ignition Temperature is conducted in accordance with Section 8.2 of the standard.

4.2. RESULTS AND OBSERVATIONS

"These test results relate only to the behavior of test specimens under the particular conditions of the test. They are not intended to be used, and shall not be used, to assess the potential fire hazards of a material in use."

Test Environment: 74ºF, X 20%R.H.
Equipment Used: Scale #1045, Furnace #1230

Results Summary:

Sample Name	Average Mass (g)	Flash Ignition Temperature (°C)	Spontaneous Ignition Temperature (°C)
Alcatop®	3.12	446	464

Observations: FIT Samples: Glowing Combustion. The finish coat produced black smoke and soot

SIT Samples: Glowing Combustion. The finish coat produced black smoke and soot

5 Conclusion

Intertek has conducted testing for Foshan Vanco Building Materials Co., Limited on Alcatop® to evaluate the laboratory determination of the spontaneous-ignition temperatures and flash-ignition temperatures of plastics using a hot air furnace. Testing was conducted in accordance with ASTM D1929-16, Standard Test Method for Determining Ignition Temperature of Plastics.

There are no pass or fail criteria for ASTM D1929 standard.

Sample Name	Average Mass (g)	Flash Ignition Temperature (°C)	Spontaneous Ignition Temperature (°C)
Alcatop®	3.12	446	464

The conclusions of this test report may be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

INTERTEK

Reported by: _____
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Lab Technician III, Verification Center

Reviewed by: _____
Sandy Osborne
Lab Technician I, Verification Center

REVISION SUMMARY

DATE	SUMMARY
December 29, 2016	Original date of report
January 6, 2017	Changed product name and description. New data entry.
January 17, 2017	Changed Product Name
February 8, 2017	Changed Product Name