TEST REPORT

REPORT NUMBER: 160920003SHF-BP-2

ORIGINAL ISSUE DATE: 2017/1/11

EVALUATION CENTER

Intertek Testing Services Ltd., Shanghai

Plant 7, No. 6958 Daye Road, Fengxian District, Shanghai, China

RENDERED TO

FOSHAN VANCO BUILDING MATERIALS CO.,LTD

SHUNDE TECHNOLOGY&INNOVATION CENTER,GAOLI,RONGGUI SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PR. CHINA

PRODUCT EVALUATED

Fire-proof ACP

EVALUATION PROPERTY

BS 476: Part 7: 1997 "Fire tests on building materials and structures Part 7: Method of test to determine the classification of the surface spread of flame of products"

Report Template Revision Date: 2016/9/1

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Applicant:	**FOSHAN VANCO BUILDING MATERIALS CO.,LTD**
Applicant Address:	**SHUNDE TECHNOLOGY&INNOVATION CENTER,RONGGUI,RONGGUI SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PR. CHINA**
Attn:	**Miss Olivia Yang**

Sample information:

Product:	Fire-proof ACP
Model:	4mm(0.5mm)
Specification:	/
Sample Quantity:	9 pieces
Sample ID:	S160920003SHF-007~015
Date Received:	2016/11/28
Date Test Conducted:	2016/12/7

Conclusion:

For details refer to attached page(s).

The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

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Test Items, Method and Results:

1.1 Procedure

Prior to test, the specimens were prepared and conditioned in accordance with paragraphs 5.3 to 5.6 of the standard and secured to a specimen holder as described in paragraph 6.3.

Six specimens, backed with 25mm air gap calcium silicate spacer, were tested with the PVDF coating face exposed to the specified thermal radiation. The intensity of the radiated heat incident on the specimen varies with distance from the hotter end, so that when the specified calibration panel is mounted in the place to be occupied by the specimen, and the irradiance of the radiometer is as given in the table below. The test was terminated when the flame front reached the 825 mm reference line, or after 10 minutes has elapsed, whichever is shorter.

Irradiance along Horizontal Reference Line on the Calibration Board

Distance along reference line from inside edge of specimen holder mm	Irradiance kW/m^2		
	specified	min.	max.
75	32.5	32.0	33.0
225	21.0	20.5	21.5
375	14.5	14.0	15.0
525	10.0	9.5	10.5
675	7.0	6.5	7.5
825	5.0	4.5	5.5

1.2 Results:

The test results for the individual samples are given in table below:

Specimen No.	1	2	3	4	5	6
Spread of flame at first 1.5 minutes (mm)	0	0	0	0	0	0
Distance (mm)	Time of spread of flame to indicated distance (minutes·seconds)					
Start of flaming	nil	nil	nil	nil	nil	nil
75 165 190 215 240 265 290 375 455 500 525 600 675 710 750 785 825 865	-	-	-	-	-	-
Time of maximum spread of flame (minutes·seconds)	-	-	-	-	-	-
Distance of maximum spread of flame (mm)	0	0	0	0	0	0
Comments	None					

1.3 CLASSIFICATION:

Classification of Surface Spreead of Flame

Classification	Spread of flame at 1.5 min		Final spread of flame	
	Limit (mm)	Limit for one specimen in sample (mm)	Limit (mm)	Limit for one specimen in sample (mm)
Class 1	165	165+25	165	165+25
Class 2	215	215+25	455	455+45
Class 3	265	265+25	710	710+75
Class 4	Exceeding the limits for class 3			

1.4 CONCLUSION:

In accordance with the class definitions specified in the Standard, the test results show that the sample teste has a **Class One** Surface Spread of Flame.

Remarks: The test results relate only to the behaviour of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Note: This test was conducted at the external approved facility, located at Singapore.

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Approved by:

Name: Sun Sun	Name: Harrison Li	Name: Timothy Li
Title: Approver	Title: Reviewer	Title: Project Engineer

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The End of Report

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