

## TEST REPORT

No. : GZIN150700949CCM

Date : Jul. 28, 2015

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APPLICANT: GUANGZHOU WILLSTRONG NEW MATERIAL HOLDING CO., LTD.  
ADDRESS: NO. 118, JUNDA ROAD, EASTERN DISTRICT, ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, GUANGZHOU, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : Fireproof aluminium composite panel  
SGS Ref. No. : AJHG1507005671FB  
Test Performed : Selected test(s) as requested by applicant  
Date of Receipt : Jul. 07, 2015  
Test Period : Jul. 10, 2015 to Jul. 24, 2015

Test result(s) : Please refer to the following page(s)

\*\*\*\*\*To be continued\*\*\*\*\*

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co.,Ltd  
Guangzhou Branch



Chandler Wu  
Technical Engineer



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## Test Information:

### I. Test conducted

This test was performed in accordance with "AS/NZS 1530.3:1999 Methods for fire tests on building materials, components and structures Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release."

### II. Sample details

Description	FIREPROOF ALUMINIUM COMPOSITE PANEL
Thickness	About 4mm
Density	About 6.1kg/m <sup>2</sup>
Color	White
Sample Dimension	600mm×450mm

	Temperature (°C)	Humidity (%)	Duration (d)
Conditioning	20±2°C	65±5%	8

Note: The specimens shall be conditioned to constant mass (see ISO 291)

### Mounting or fixing method for test sample:

Using fibre-reinforced cement board as substrate, hold the sample and substrate against the specimen support frame by using the specimen clamping ring.

\*\*\*\*\*To be continued\*\*\*\*\*



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### III. Test results:

#### The mean values and standard errors:

Items		Mean value	Standard error
Ignition Time, (min)		NI	NI
Flame propagation time, (s)		NI	NI
Heat release integral, (Kj/m <sup>2</sup> )		NI	NI
Maximum optical density, D (m <sup>-1</sup> )	Ignition specimen	---	
	Non-ignition specimen	0.0455	
Smoke release , lg D	Ignition specimen	---	---
	Non-ignition specimen	-0.8369	0.0083

Remark: NI---Not Ignition

Note: 1) Where all specimens do not ignite, means and standard errors for smoke release shall be reported separately for those specimens that ignite and those that do not ignite. The higher of the two values shall be reported as the smoke released for the material or component.

2) Where all specimens do not ignite, indices for smoke developed shall be reported separately for those specimens that ignite and those specimens that do not ignite. The higher of the two values shall be reported as the smoke developed index for the product.

#### Regulatory Indices:

Items	Regulatory Indices
Ignitability index (Range 0 to 20)	0
Spread of flame index (Range 0 to 10)	0
Heat evolved index (Range 0 to 10)	0
Smoke developed index (Range 0 to 10)	3

\*\*\*\*\*To be continued\*\*\*\*\*



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Note: The above test was carried out by a SGS internal laboratory.

### Statement:

- 1) The results only apply to the specimen mounted as described in this report.
- 2) The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions.

### Photo:



\*\*\*\*\*End of report\*\*\*\*\*



SGS-CTI Standards Technical Services Co., Ltd.  
Guangzhou Branch Standards Technical Services Material Laboratory

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