

## Test Report

No. AJHL1601000385FB

Date: JAN.22, 2016

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**DONGGUAN HENGSHU GREEN BUILDING MATERIAL CO., LTD.**

NO.A1105, HONGXI CENTRE, TIYU ROAD, NANCHENG DISTRICT, DONGGUAN CITY, CHINA

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

**Sample Description:** WOOD-PLASTIC COMPOSITE

**Type/Style:** ECO-WOOD, WPC BOARDS, WPC CEILING, WPC WALL PANEL, WPC DECKING

**Composition:** WOOD POWDER WITH PVC RESIN

**Manufacturer:** DONGGUAN HENGSHU GREEN BUILDING MATERIAL CO., LTD.

**Country of Origin:** GUANGDONG, CHINA

**End Use Application:** INTERIOR AND EXTERIOR DECORATION

### **Test Requested:**

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

**Test Results:** -- See attached sheet --

### **Test Period:**

Sample Receiving Date : JAN.12, 2016

Test Performing Date : JAN.12, 2016 TO JAN.22, 2016

Signed for and on behalf of  
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou  
Technical Manager



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SGS-CSTC Standards Technical Service Co., Ltd.  
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**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	WOOD-PLASTIC COMPOSITE
Color	Orange
Thickness	13.9mm
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. Have joint in the specimen.

**III. Test results**
**The mean values and standard errors:**

Items		Mean value	Standard error
Ignition Time, (min)		9	-
Flame propagation time, (s)		203	0
Heat release integral, (Kj/m <sup>2</sup> )		261.9	4.06
Maximum optical density, D (m <sup>-1</sup> )	Ignition specimen	0.4831	0.0092
	Non-ignition specimen	-	-
Smoke release , lg D	Ignition specimen	-0.3159	0.0084
	Non-ignition specimen	-	-

To be continued...



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- 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)	11
Spread of flame index (Range 0 to10)	3
Heat evolved index (Range 0 to 10)	10
Smoke developed index (Range 0 to 10)	6

**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 Appendix:**



SGS authenticate the photo on original report only

\*\*\*End of Report\*\*\*



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