

Test Report

No.SDHL2011029790FB-01

Date: Nov 30, 2020

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VISIONPLUS BUILDING MATERIALS PTY LTD 87 SOUTH TERRACE, ADELAIDE AUSTRALIA 5000

Sample Description

: GRC

Manufacturer

: TONGCHUANG

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

SGS Ref No.

: SDFS2011007433FF

Sample Receiving Date

: Nov 17, 2020

Test Performing Date

: Nov 17, 2020 to Nov 25, 2020

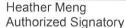
Test Performed

: Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments	
1	AS 1530.1-1994 R2016 Methods for fire tests on building materials	NOT DEEMED		
	components and structures Part 1: Combustibility test for materials	COMBUSTIBLE		
For fo	urther details, please refer to the following page(s)		•	

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







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Test Conducted:

This test is conducted accordance with AS 1530.1-1994 R2016 Methods for fire tests on building materials, components and structures Part1: Combustibility test for materials.

I. Sample description:

Thickness of single specimen	About 10 mm	
Specimen size	Diameter: 46 mm; Height: 50 mm	ψ.

Remark: Tested specimen consisted of 5 layers of provided sample.

II. Conditioning:

Oven Temperature	(60±5)°C	
Duration	24h	

Remark: The specimen shall be conditioned in a ventilated oven maintained at (60 ±5)℃ for between 20 h and 24 h, and cooled to ambient temperature in a desiccator prior to testing.

III. Criteria of combustibility:

A material shall be deemed to be combustible under any of the following circumstances:

- (a) The mean duration of sustained flaming is other than zero.
- (b) The mean furnace thermocouple temperature rise exceeds 50°C.
- (c) The mean specimen surface thermocouple temperature rise exceeds 50°C

IV. Test results:

Nie	Temperature rise			* Total duration of	
No.	ΔT _f (°C)	ΔT _c (°C)	ΔT _s (°C)	sustained flaming (s)	Mass loss (%)
1	31.6	-3.3	39.8	0	17.4
2	29.7	-0.3	37.7	0	16.6
3	30.7	-1.1	33.7	0	16.6
4	34.4	-10.4	38.7	0	17.7
5	32.9	-6.1	37.3	0	16.1
Average	31.9	-4.2	37.4	. 0	16.9

Remark:

 ΔT_f – Furnace thermocouple temperature rise

ΔT_c – Specimen centre thermocouple temperature rise

ΔT_s – Specimen surface thermocouple temperature rise

V. Combustibility: NOT DEEMED COMBUSTIBLE



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^{*} calculate and record the mean duration of sustained flaming which is obtained by summing all the individual durations of flaming for 5s or longer and dividing by five.



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STATEMENTS:

These test results relate only to the behavior of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material

Photo Appendix:



Remark: This test report is to supersede No. SDHL2011029790FB test report which was issued on Nov 25, 2020. And the original test reports (paper and electronic) are invalid.

End of Report



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1F; 1 Paiding European Industrial Park Vio.1 Shurhe South Read Wester Section, Dallary Town, Shurnée Frohm, Grangdong, China 528333 t (86-757)22805988 f (86-757)22805958 www.sgsgroup.com.cn 中国·广东·佛山市順德区大良街道办事处五沙順和南路1号欧洲工业园一号厂房首层邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com