

## TEST REPORT

No. : GZIN1809050095SC

Date : Sep 30, 2018

Page: 1 of 5

CUSTOMER NAME: SKUDO MANUFACTURING PTY LTD.  
ADDRESS: 47 VERONICA DRIVE TALLAI QLD AUSTRALIA


Sample Name : SKUDO HT BOARD

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Ref. No. : SDHL1809021616FB  
Date of Receipt : Sep 19, 2018  
Testing Start Date : Sep 19, 2018  
Testing End Date : Sep 28, 2018  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co., Ltd. GZ Branch Testing  
Center



Eleain Fan  
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Materials Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

399 Yezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155661 f (86-20) 82075080 www.sgs.com.cn  
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155661 f (86-20) 82075080 e sgs.china@sgs.com

# TEST REPORT

No. : GZIN1809050095SC

Date : Sep 30, 2018

Page: 2 of 5

## Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	ASTM E 648-17a	Class I	/

For further details, please refer to the following page(s)



SGS-CSTC Technical Services Co., Ltd.  
Guangzhou Branch Inspection & Testing Services

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

188 Yezhu Road, Science Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155661 f (86-20) 82075080 www.sgs.com.cn  
中国·广州·经济技术开发区科学城科珠路188号 邮编: 510663 t (86-20) 82155661 f (86-20) 82075080 e sgs.china@sgs.com

# TEST REPORT

No. : GZIN1809050095SC

Date : Sep 30, 2018

Page: 3 of 5

**Test conducted:**

ASTM E648-17a Standard test method for critical radiant flux of floor-covering systems using a radiant heat energy source.

**I. General information**

Precondition	Temperature: (21±3)°C Humidity: (50±5)%, Duration: 168h
Mounting method	The specimens were fixed mechanically to the substrate (The substrate is a 13mm thickness 0.58g/cm <sup>3</sup> inorganic millboard).

**II. Test results**

Flame front advance			
Distance (cm)	Specimen1	Specimen 2	Specimen 3
	Time (minute: second)	Time (minute: second)	Time (minute: second)
5	9:37	9:17	9:15
10	14:18	13:51	14:07
15	18:34	17:09	18:17
20	22:29	21:17	23:47
25	27:00	25:49	29:12
30	31:36	29:18	35:47
35	40:41	36:46	42:48
40	-	44:52	49:21
45	-	-	-
50	-	-	-
55	-	-	-
60	-	-	-
65	-	-	-
70	-	-	-
75	-	-	-
80	-	-	-
85	-	-	-



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Guangzhou Branch Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Materials Laboratory

188 Yexu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155661 f (86-20) 82075080 www.sgs.com.cn  
中国·广州·经济技术开发区科学城科珠路188号 邮编: 510663 t (86-20) 82155661 f (86-20) 82075080 e sgs.china@sgs.com

# TEST REPORT

No. : GZIN1809050095SC

Date : Sep 30, 2018

Page: 4 of 5

Distance (cm)	Specimen1	Specimen 2	Specimen 3
	Time (minute: second)	Time (minute: second)	Time (minute: second)
90	-	-	-
95	-	-	-
100	-	-	-
Extinguishing time	52:14	50:47	54:14
Burned distance (cm)	38	40	41
Observations	Melting	Melting	Melting

Calculation:

	Specimen1	Specimen 2	Specimen 3	Average	S	V
Critical radiant flux (W/cm <sup>2</sup> )	0.56	0.52	0.50	0.53	0.03	5.7

Note: S-estimated standard deviation; V-coefficient of variation

The classifications are as follows:

	Class I	Class II
Critical Radiant Flux, <i>watts/cm<sup>2</sup></i>	≥ 0.45	≥ 0.22

Since the tested sample received a Critical Radiant Flux =0.53watts/cm<sup>2</sup>, it would meet the requirement of Class I Interior Floor Finish.

## STATEMENTS:

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

The test results relate only to the specimens of the product in the form in which were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product, which is supplied or used, is fully represented by the specimens, which were tested.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Inspection & Testing Services Co., Ltd.  
Guangzhou Branch Testing Center Materials Laboratory

180 Yuezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155661 f (86-20) 82075080 www.sgs.com.cn  
中国·广州·经济技术开发区科学城科珠路180号 邮编: 510663 t (86-20) 82155661 f (86-20) 82075080 e sgs.china@sgs.com

## TEST REPORT

No. : GZIN1809050095SC

Date : Sep 30, 2018

Page: 5 of 5

### Photo Appendix:



### Appendix Information:

The above test was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

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



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Materials Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

180 Yezhu Road, Science Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155661 f (86-20) 82075080 www.sgs.com.cn  
中国·广州·经济技术开发区科学城科珠路180号 邮编: 510663 t (86-20) 82155661 f (86-20) 82075080 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)