

TEST REPORT

No. : SHIN2408001946CM01_EN

Date : 2024-11-04

Page: 1 of 6

ADDRESS: LONGBANSHAN AREA, INDUSTRAL ZONE, SUICHANG
COUNTY, LISHUI CITY, ZHEJIANG, CHINA

Sample Name : ZHUART N-CUBE OUTDOOR BAMBOO DECKING

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. : NBIN2406000068CM01

Date of Receipt : 2024-08-14

Testing Period : 2024-08-14 ~ 2024-09-26

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 (Shanghai) Co., Ltd..



Xander Yang
Authorized signatory



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319

中国·上海·浦东康桥东路1159弄69号 邮编:201319

t(86-21) 61196300 www.sgsgroup.com.cn

t(86-21) 61196300 sgs.china@sgs.com

TEST REPORT

No. : SHIN2408001946CM01_EN

Date : 2024-11-04

Page: 2 of 6

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Global Modulus of Elasticity in Bending	EN 408:2010+A1:2012 Clause 10	12340 N/mm ²	N/A
2	Bending Strength Parallel to Grain	EN 408:2010+A1:2012 Clause 19	111 N/mm ²	N/A
2	Resistance to Indentation	With Reference to EN 1534:2020 and Client's Requirement	See Result	N/A

Note: Pass : Meet the requirements;

Fail : Does not meet the requirements;

N/A : Not Apply to the judgment.

Original Sample Photo(s):

	
Bending Strength Parallel to Grain / Global Modulus of Elasticity in Bending	Resistance to Indentation

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 <https://www.sgs.com/en/Terms-and-Conditions>. 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



No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319
中国·上海·浦东康桥东路1159弄69号 邮编:201319

t(86-21) 61196300 www.sgsgroup.com.cn
t(86-21) 61196300 sgs.china@sgs.com

TEST REPORT

No. : SHIN2408001946CM01_EN

Date : 2024-11-04

Page: 3 of 6

1. Test Item: Global Modulus of Elasticity in Bending

Test Method: EN 408:2010+A1:2012 Clause 10

Test Condition:

Specimen: 380mm×50mm×20.0mm, 10pcs

Test Span: 360mm

Test Speed: 3.6mm/min

Lab Environmental Condition: (20±2)°C, (65±5)%RH

Test Result:

Test Item	Test Result					Average Value
	Individual Value					
Global Modulus of Elasticity in Bending (N/mm ²)	11490	12330	12100	10750	12640	12340
	12710	13770	12650	11910	13050	

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 <https://www.sgs.com/en/Terms-and-Conditions>. 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



No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319
中国·上海·浦东康桥东路1159弄69号 邮编:201319

t(86-21) 61196300 www.sgsgroup.com.cn
t(86-21) 61196300 sgs.china@sgs.com

TEST REPORT

No. : SHIN2408001946CM01_EN

Date : 2024-11-04

Page: 4 of 6

2. Test Item: Bending Strength Parallel to Grain

Test Method: EN 408:2010+A1:2012 Clause 19

Test Condition:

Specimen: 380mm×50mm×20.0mm, 10pcs

Test Span: 360mm

Test Speed: 3.6mm/min

Lab Environmental Condition: (20±2)°C, (65±5)%RH

Test Result:

Test Item	Test Result					Average Value
	Individual Value					
Bending Strength Parallel to Grain (N/mm ²)	105	111	114	107	118	111
	110	100	106	119	122	

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 <https://www.sgs.com/en/Terms-and-Conditions>. 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

No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319

SGS-CCCTC SGS Construction Technical Services (Shanghai) Co., Ltd.
SGS Construction Technical Services (Shanghai) Co., Ltd.
Commercial Construction Services

t(86-21) 61196300 www.sgsgroup.com.cn

t(86-21) 61196300 sgs.china@sgs.com

TEST REPORT

No. : SHIN2408001946CM01_EN

Date : 2024-11-04

Page: 5 of 6

3. Test Item: Resistance to Indentation

Test Method: With Reference to EN 1534:2020 and Client's Requirement

Test Condition:

Specimen: 50mm×50mm×20.0mm, 60pcs

Total Load: 5000N

Maintain time: 25s

Recovery time: 3min

Lab Environmental Condition: (20±2)°C, (65±5)%RH

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 <https://www.sgs.com/en/Terms-and-Conditions>. 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



No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319
中国·上海·浦东康桥东路1159弄69号 邮编:201319

t(86-21) 61196300 www.sgsgroup.com.cn
t(86-21) 61196300 sgs.china@sgs.com

TEST REPORT

No. : SHIN2408001946CM01_EN

Date : 2024-11-04

Page: 6 of 6

Test Result:

Test Item	Test Result							
	Individual Value				Average Value	Standard Deviation	Characteristic Value	
Resistance to Indentation – Hardness Brinell (N/mm ²)	170	170	130	150	160	180	38.9	115.0
	200	150	150	180	190			
	200	200	150	190	250			
	170	140	170	160	110			
	130	130	120	220	130			
	120	160	140	150	250			
	150	220	170	140	180			
	240	230	160	150	210			
	170	160	260	200	190			
	190	230	270	190	150			
	240	190	120	190	120			
	120	130	200	190	150			

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

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

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 <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined thereunder. 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 as may be stated on the fee quotation only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.DocCheck@sgs.com
No. 60, Block 1105, East Kang Qian Road, Buiding District, Shanghai, China, 200420
T: (86-21) 54466200 E: WWW.SGSCHINA.COM.CN

or email: CN.Doccheck@sgs.com
No.69, Block 1159, East Kang Qiao Road, Pudong District, Shanghai, China. 201319
中国 上海 浦东康桥东路1159号 邮编:201319

t(86-21) 61196300 www.sgsgroup.com.cn
t(86-21) 61196200 sgs_china@sgs.com