

**TEST REPORT**

No. : SHIN2408001946CM02\_EN

Date : 2024-11-05

Page: 1 of 5

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

Sample Name : ZHUART X-CELLENCE 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. : NBIN2406000068CM04

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](mailto: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](http://www.sgsgroup.com.cn)

t(86-21) 61196300 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**TEST REPORT**

No. : SHIN2408001946CM02\_EN

Date : 2024-11-05

Page: 2 of 5

## Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Global Modulus of Elasticity in Bending	EN 408:2010+A1:2012 Clause 10	22680 N/mm <sup>2</sup>	N/A
2	Bending Strength Parallel to Grain	EN 408:2010+A1:2012 Clause 19	129 N/mm <sup>2</sup>	N/A
3	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](mailto: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](http://www.sgsgroup.com.cn)  
t(86-21) 61196300 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## TEST REPORT

No. : SHIN2408001946CM02\_EN

Date : 2024-11-05

Page: 3 of 5

### 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 <sup>2</sup> )	23120	22600	23240	22450	21800	22680
	23680	22790	23370	20180	23570	

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](mailto: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](http://www.sgsgroup.com.cn)  
t(86-21) 61196300 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## TEST REPORT

No. : SHIN2408001946CM02\_EN

Date : 2024-11-05

Page: 4 of 5

### 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 <sup>2</sup> )	110	123	134	118	149	129
	141	121	136	110	149	

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](mailto: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](http://www.sgsgroup.com.cn)  
t(86-21) 61196300 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

## TEST REPORT

No. : SHIN2408001946CM02\_EN

Date : 2024-11-05

Page: 5 of 5

### 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

Test Result:

Test Item	Test Result							
	Individual Value					Average Value	Standard Deviation	Characteristic Value
Resistance to Indentation – Hardness Brinell (N/mm <sup>2</sup> )	210	150	190	170	150	160	35.7	100.4
	210	94	150	180	190			
	180	190	150	170	200			
	150	130	160	150	160			
	170	190	180	150	230			
	170	160	160	180	160			
	200	230	97	100	84			
	180	150	100	100	120			
	160	210	140	210	160			
	180	190	120	120	180			
	110	120	130	150	220			
	200	200	150	150	190			

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 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)



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](http://www.sgsgroup.com.cn)  
t(86-21) 61196300 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)