

TEST REPORT

No. : SHIN2408001946CM02_EN

Date : 2024-11-05

Page: 1 of 5

ADDRESS: LONGBANSHAN AREA, INDUSTRIAL 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

Xander Yang
Authorized signatory



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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 ²	N/A
2	Bending Strength Parallel to Grain	EN 408:2010+A1:2012 Clause 19	129 N/mm ²	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



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					
	Individual Value					Average Value
Global Modulus of Elasticity in Bending (N/mm ²)	23120	22600	23240	22450	21800	22680
	23680	22790	23370	20180	23570	



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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					
	Individual Value					Average Value
Bending Strength Parallel to Grain (N/mm ²)	110	123	134	118	149	129
	141	121	136	110	149	



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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 ²)	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*****



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