

TEST REPORT

No. : SHIN2408001946CM01_EN

Date : 2024-11-04

Page: 1 of 6

ADDRESS: LONGBANSHAN AREA, INDUSTRIAL 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



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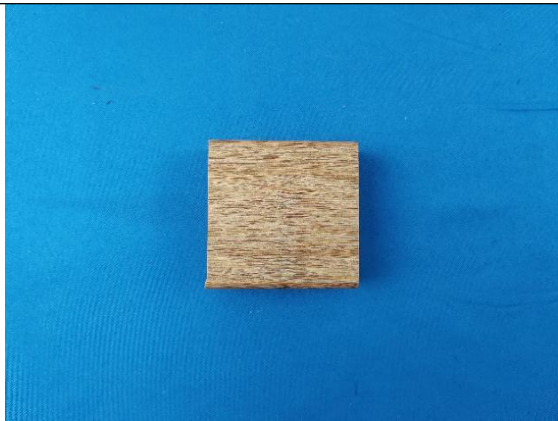
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Summary of Results:

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



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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)℃, (65±5)%RH

Test Result:

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



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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)	105	111	114	107	118	111
	110	100	106	119	122	



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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



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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*****



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