

TEST REPORT

No. : TJIN2412003437PL01-1_EN

Date : 2025-02-19

Page: 1 of 4



CUSTOMER NAME: Tianma Lvjian (Nantong) Wooden Structure Technology Co., Ltd.
ADDRESS: No.82 Jianghai Rd, Development Zone, Nantong City, Jiangsu Province, China

Sample Name : shuttering panels

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.

Other Ref. No. : SWR2501040
Date of Receipt : 2024-12-13
Testing Period : 2024-12-13 ~ 2025-02-07
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 (Tianjin) Co., Ltd..

Mike Wang

Mike Wang
Authorized signatory



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TEST REPORT

No. : TJIN2412003437PL01-1_EN

Date : 2025-02-19

Page: 2 of 4

1.Test item: Bond quality

Sample Description: Wood Panel

Test Method: BS EN 13354:2008

Test condition: Boiled water for 4h → 60°C drying for 19h 30min → boiled water for 4h → (20±3)°C water for 1h

Thickness: 27mm

Test Environment: Room temperature

Summary of Results:

| Test Item | | Test Method | Result | Conclusion |
|--------------|---|--|--------|------------|
| Bond quality | Shear strength of adhesive layer MPa | BS EN 13354:2008 Solid wood panels (SWP). Bonding quality. | 1.27 | / |
| | Average wood failure rate of shear area % | BS EN 13354:2008 Solid wood panels (SWP). Bonding quality. | 100 | / |



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TEST REPORT

No. : TJIN2412003437PL01-1_EN

Date : 2025-02-19

Page: 3 of 4

| Sample No | Size of shear surface (mm) | | Break of adhesive layer P _{max} (N) | Average wood failure rate of shear area (%) | Shear strength of adhesive layer τ (Mpa) | Average (Mpa) |
|---|----------------------------|----------|--|---|--|---------------|
| | Width b | Length l | | | | |
| 1 | 9.55 | 50.69 | 553 | 100 | 1.14 | 1.27 |
| 2 | 8.58 | 50.92 | 467 | 100 | 1.07 | |
| 3 | 9.42 | 51.39 | 590 | 100 | 1.22 | |
| 4 | 9.63 | 48.96 | 770 | 100 | 1.63 | |
| 5 | 8.22 | 50.90 | 502 | 100 | 1.20 | |
| 6 | 10.23 | 51.98 | 691 | 100 | 1.30 | |
| 7 | 9.02 | 51,77 | 648 | 100 | 1.39 | |
| 8 | 9.14 | 51.20 | 486 | 100 | 1.04 | |
| 9 | 9.47 | 51.77 | 713 | 100 | 1.45 | |
| 10 | 9.05 | 51.04 | 578 | 100 | 1.25 | |
| τ= P _{max} /(b×l) ,Accurate to 0.1MPa. (If the load exceeds 4000N, accurate to 1MPa) | | | | | | |



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Page: 4 of 4

Note: 1. This test report updates original data, supersedes the test report No. TJIN2412003437PL01 dated Feb 7th,2025, original report will be invalid from today.

2. * test project was carried out by subcontractors.

3. 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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