

SUMMARY REPORT

| Lucideon Reference: | UK214854 (QT-65959/3/JB)/Ref. 8 |
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| Project Title: | Future Rooms Ltd's Insulation Panel Summary Sheet |
| Client: | Future Rooms Ltd 27 Staunton Court Gloucester GL19 3QS |
| For the Attention of: | Mr Sam Moore |
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| Work Location: | Lucideon UK |

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TEST SUMMARY SHEET

Future Rooms Ltd Future SIPs Future Annex

WALL – 1220 mm x 2440 mm x 180 mm PANEL

Axial compressive load to BS 5268 - Passed

• 224.41 kN/m

Eccentric compressive load to BS 5268 - Passed

• 194.08 kN/m

Racking load to BS EN 594 – Passed

- 3 No. tested with 0 kN top load and 3 No. tested with 5 kN/stud (equivalent) top load
- 3.24 kN/m and 3.84 kN/m, respectively

Simulated positive and negative wind load to BS EN 1991 - Passed

• 4.25 kPa

Test under three-point bending

• 3915.33 N

Test under three-point bending with an applied eccentric vertical load

• 3868.33 N

ROOF PANEL TEST – 1197 mm x 3000 mm x 208 mm PANEL

UDL at maximum 3 m span – Design loads from BS EN 1991 – Passed

• 6.08 mm deflection at 18.5 kPa

Tested under soft body and hard body impact to BS EN 12187 – Passed

Varying UDL with a constant gradient of load going from maximum snow load at one end to zero load at the other end

• 15.11 mm deflection at 3.61 kN/m²

Tested under point load at maximum span at different positions classed as worse case

- Centre of panel: 21.31 mm deflection at 13546.66 N
- Centre edge of panel: 27.45 mm deflection at 16140 N