

SUMMARY REPORT

Work Location:	Lucideon UK
Purchase Order No.:	FR/TE/11-21
Report Date:	27 April, 2022
	Mr Justin Fryer
Author(s):	Mr Malik Boateng
For the Attention of:	Mr Sam Moore
Client:	Future Rooms Ltd 27 Staunton Court Gloucester GL19 3QS
Project Title:	Future Rooms Ltd's Insulation Panel Summary Sheet
Lucideon Reference:	UK214854 (QT-65959/3/JB)/Ref. 8

pame food

Miss Joanne Booth Testing Team Reviewer

Mr Justin Fryer Testing Team Project Manager

Page 1 of 2 Pages

This report is issued in accordance with the Conditions of Business of Lucideon Limited and relates only to the sample(s) teste No responsibility is taken for the accuracy of the sampling unless this is done under our own supervision. This report shall not be reproduced in part without the written approval of Lucideon Limited, nor used in any way as to lead to misrepresentation of the results or their implications.

Lucideon Limited Queens Road, Penkhull Stoke-on-Trent Staffordshire ST4 7LQ T +44 (0)1782 764428 enquiries@lucideon.com www.lucideon.com

Lucideon is the trading name of Lucideon Limited. Registered in England No. 1960455.

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