



Full Report

Project: ID 138

Client: Jason Cureton

Building identifier: mercy.porridge.cornering

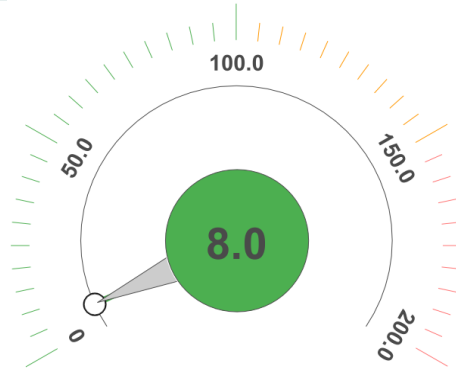
Test Credentials			
Issued by:	Redbarn		
Address:	Malvern Hills Science Park,	Technician:	-
	Geraldine Road, Malvern,	Registered No:	RED-002
	WR14 3SZ	Qualification:	-
Telephone:	-		
Email:	admin		
Report Reference:	ID 138		
Client:	Jason Cureton		
Client Contact:	Jason Cureton	Role:	Product Developer

Building Details			
Building identifier:	mercy.porridge.cornering		
Address:	Test Rig located at: Whitehall Commercial, HR1 4FL		
Type:	Dwelling	Description:	other
Status:	TestStatus.Review	Construction:	timber
Contractor:	-	Heating Source:	other
SAP reference:	-	SAP software:	-
Floor area (m ²):	5.2	Property height (m):	1.54
Envelope (m ²):	28.47	Volume (m ³):	8.0
Air Perm (m ³ /hm ² @50PA):	10.0 (designed)	3.56 (measured)	
Number of ring mains:	1	Passive Property?	-

Test Details			
Date:	12-01-2022		
Heating Phase:	10:30 UTC - 14:30 UTC	Cooling Phase:	14:30 UTC - 18:30 UTC
External Conditions:	Average 2.9°C (min 1.4°C, max 5.0°C), max 4.0kmph winds, 0.0mm precipitation		
Temporary Sealing:	Temporary seals in place		
Notes:	Test 2 - with Insulfix product applied to rafters		

Test Results		
This is to certify that the above named building has been tested by an approved Veritherm Testing Engineer.		
Measured Veritherm Result:	8.0 W/K	
Confidence Range:	7.0 W/K - 9.0 W/K	
	Designed	Measured
Fabric	7.374 W/K	7.5 W/K
Air Infiltration	1.4 W/K	0.5 W/K
Heat Transfer Coefficient	8.77 W/K	8.0 W/K

Result Summary (HTC)

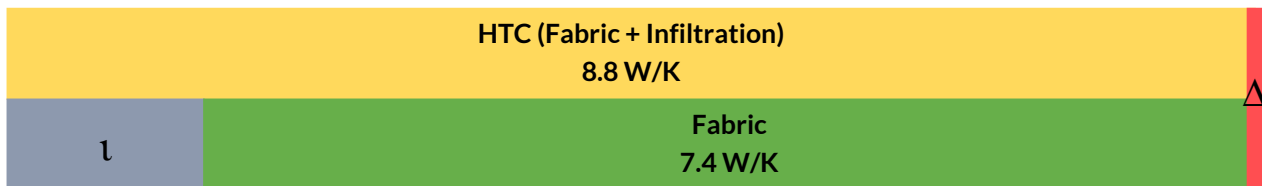


Result Breakdown

Measured



Assumed



1 Infiltration: 0.5 W/K **

Δ Performance Gap: 0.1 W/K (+9%)

** Infiltration is calculated from provided air permeability data

Thermal Efficiency Rating

Very energy efficient - lower running costs



Performance Gap

+9%

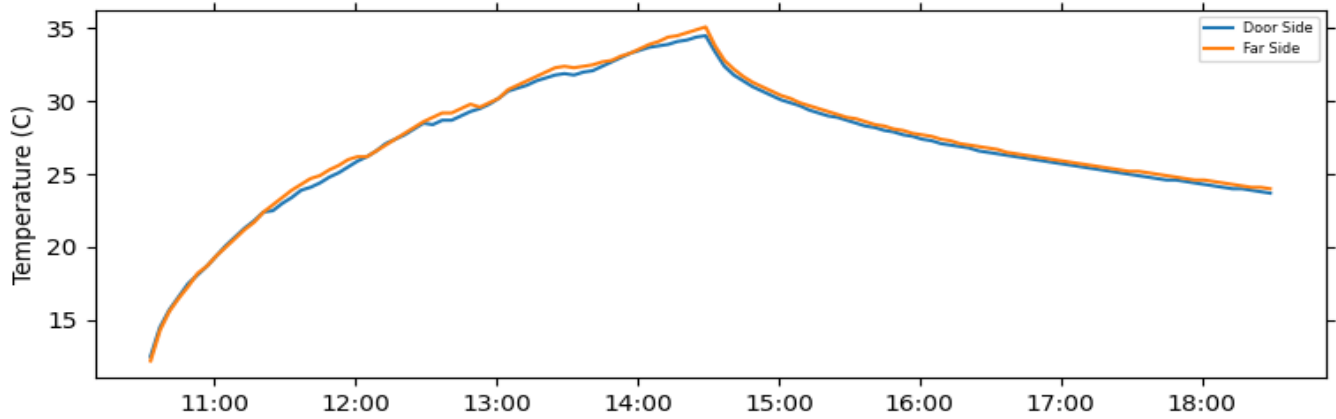
Not energy efficient - higher running costs

Average U-Value:	0.26 W/m ² K
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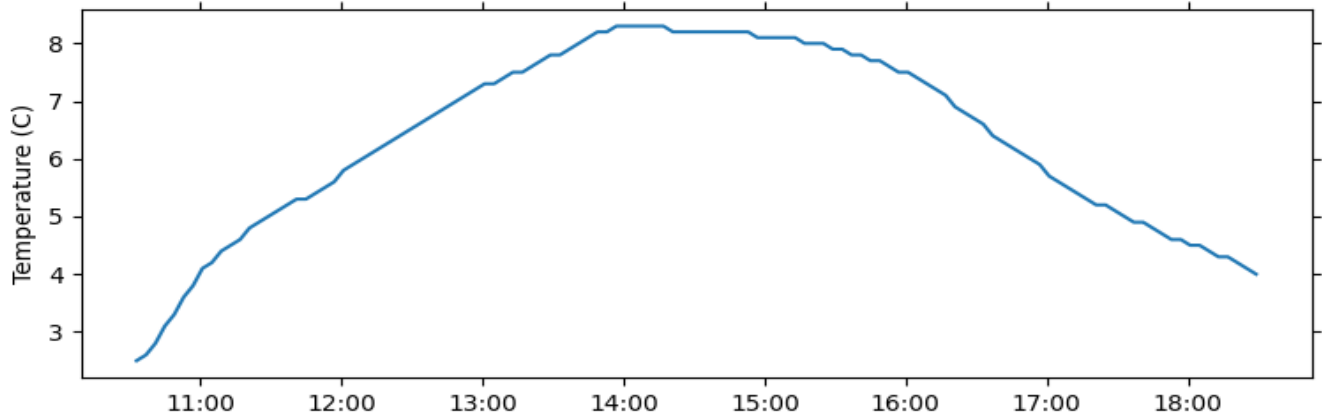
Appendix 1 - Raw Data

Heat Loads	
Total heating load (kWh):	1.44
Total other energy load (kWh):	0.62

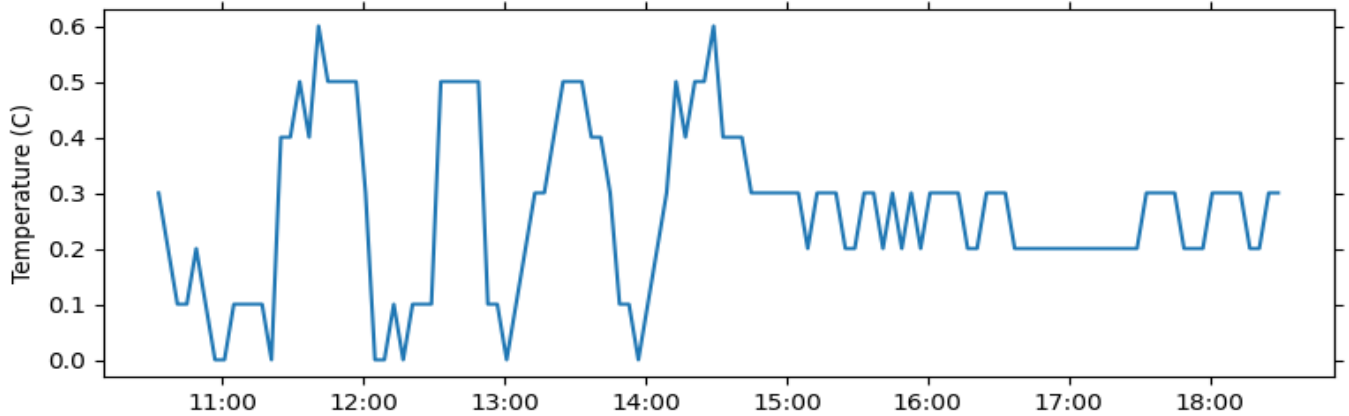
Internal Temperatures



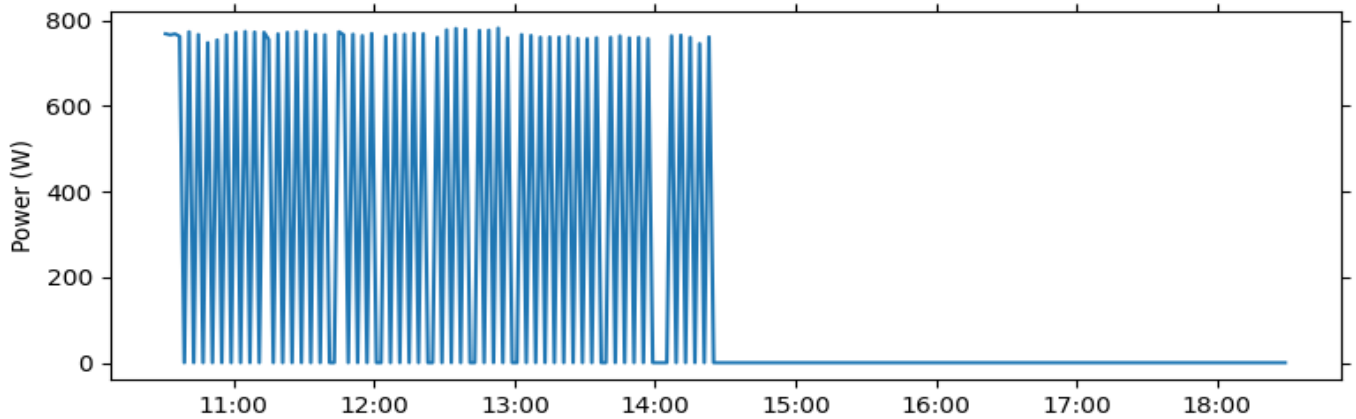
External Temperatures



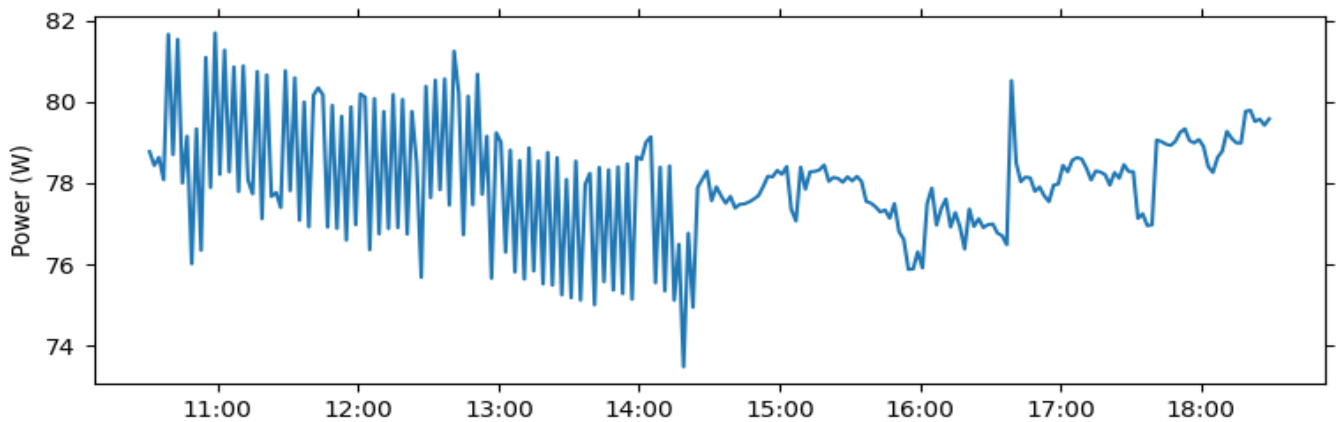
Internal Temperatures Delta



Heater Power



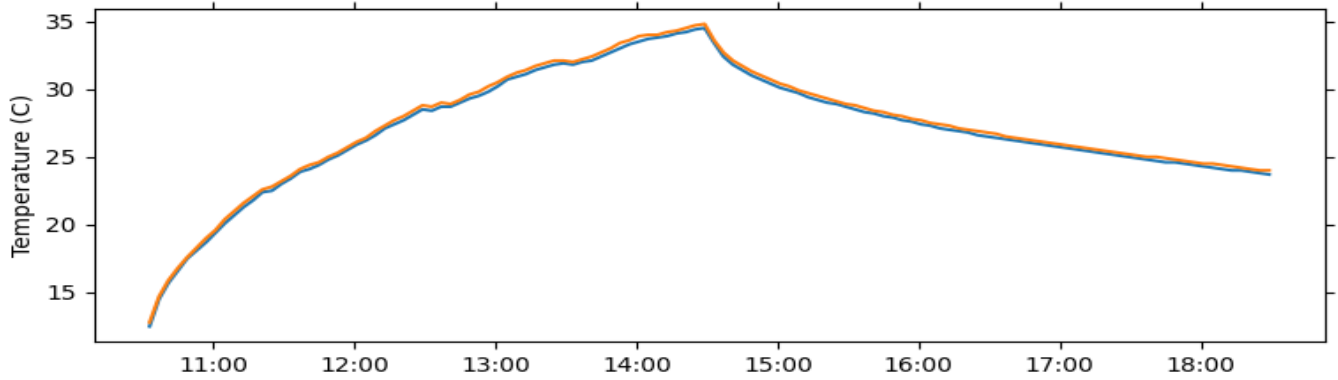
Other Power



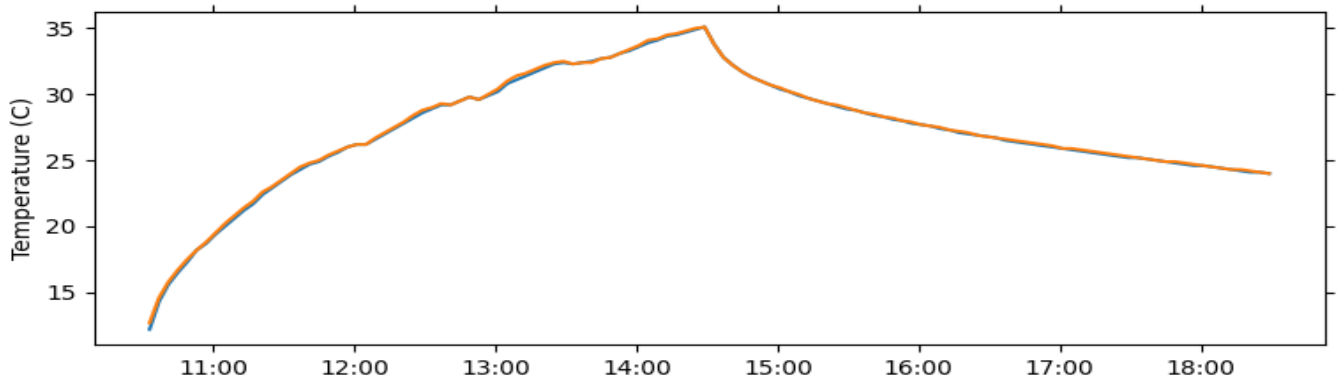
Appendix 2 - Individual Sensor Data

Temperature Data

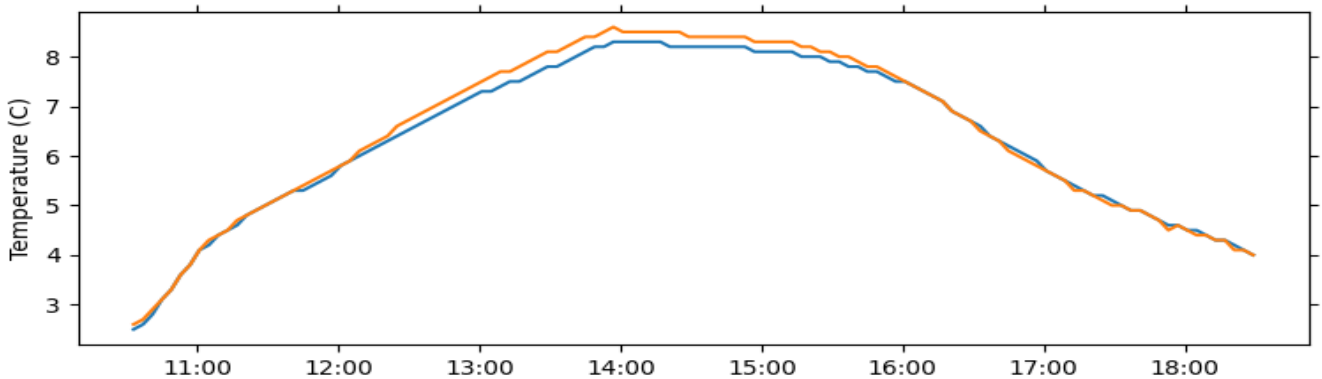
Door Side



Far Side

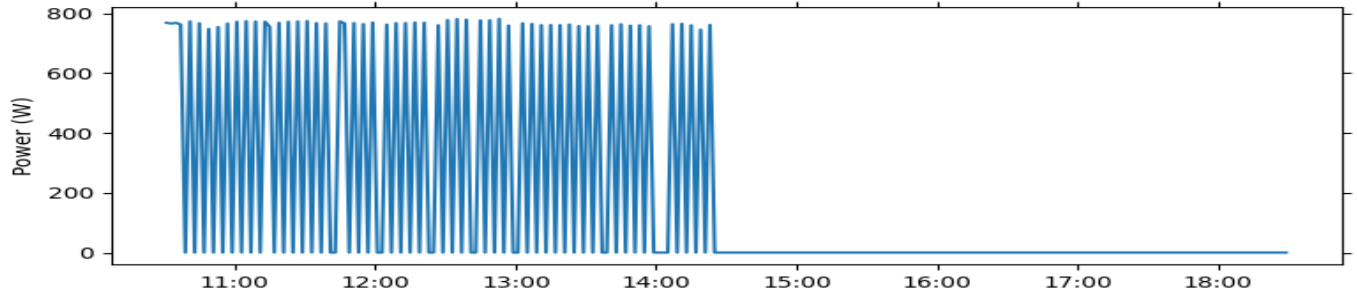


External



Power Data

Heater



Fan 1

