

Test Report

Number: VNMH22006427
Date: August 8, 2022

Applicant: Vight Limited
Room 1702, Sino Centre 582-592 Nathan Road, Mongkok, Kowloon, Hong Kong

The following sample was submitted and identified on behalf of the client as:

Sample description: Heated skirting
Item/ Style No: Sleek Heat, various lengths
Buyer name: TLC Modular Construction Limited Liability Company
326 Vo Kiet Street, Co Giang Ward, District 1, Ho Chi Minh City,
Vietnam
Country of origin: Vietnam
Country of destination: Global but first New Zealand
Date sample received: July 29, 2022
Testing period: July 29, 2022 to August 5, 2022

Tests conducted: As requested by the applicant, please refer to attached page for details.

Conclusion:

Tested sample	Requirement	Result
Submitted sample	Client specification for Heating the chamber	See details enclosed

For and on behalf of
Intertek Vietnam LTD



LIEM MAI
Hardlines Manager

Test Report

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

Sample description: Heating Panel

Conclusion : Heating the chamber, see details enclosed

Test Conducted:

Base on:

Client specification for Heating efficiency testing

1. Determine the temperature of the chamber over time. Measuring at the centre of the chamber being appropriate.
2. Commence measurements at 5 degrees C
3. Determine the power used (KW) to heat +5 degrees, +10 degrees, +15 degrees, +20 degrees.
4. Determine the steady state power consumption in each test (kWh)
5. Calculate the rate of energy use per square metre of floor area, and per cubic meter of space.
6. Determine the surface temperature of the skirting lengths during the test (use thermocouples)

Chamber

Dimensions: W 3000 mm x D 2500 mm x H 2500 mm with door cavity H 1800 mm x W 2000 mm x D 195 mm

Chamber Model: KMHW-19S

Panel lengths:

Longer panels: L 2850mm x H 139.1mm x D 18.16mm, Heated lengths 2760 mm

Shorter panels: L 2350mm x H 138.89mm x D 18.13mm, Heated lengths 2255 mm

RESULTS

Measured power

Double layer – 3 panels: 1.044kWh

Single layer – 3 panels: 0.492kWh

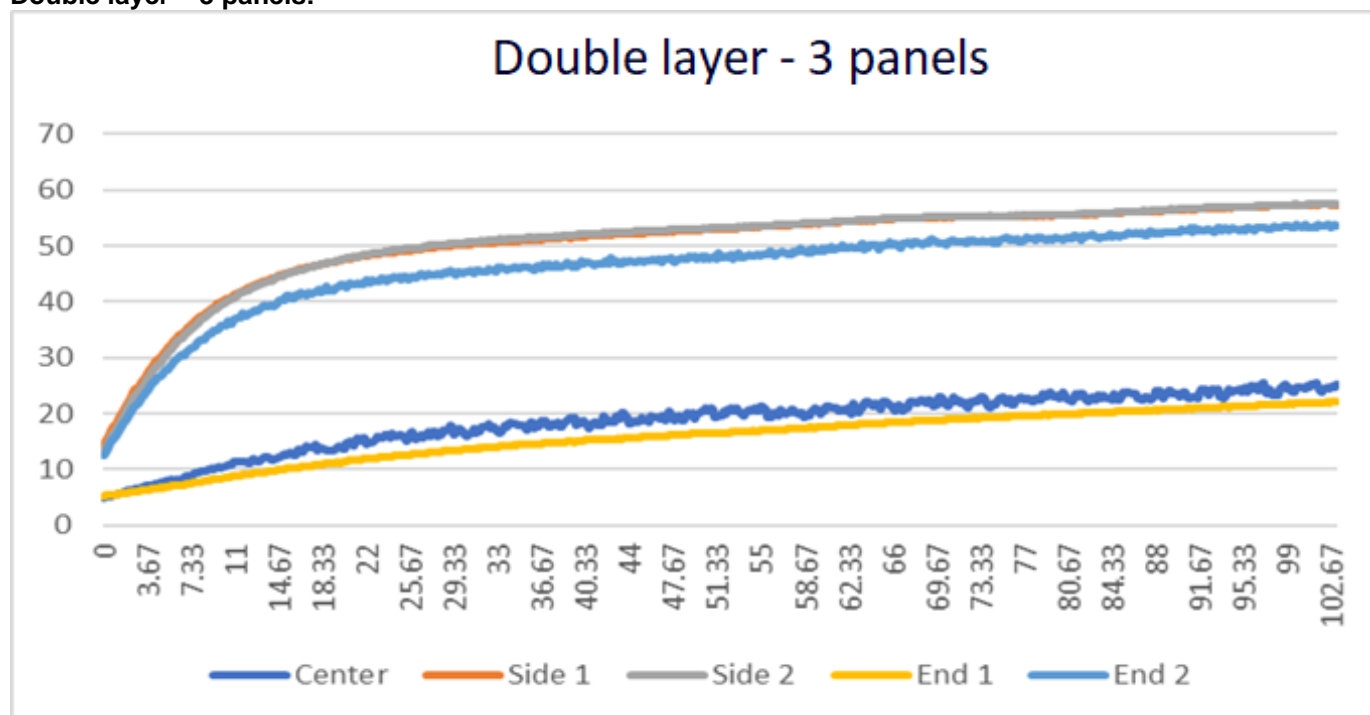
Double layer – 2 panels: 0.643kWh

Samples	Temperature					Time (minute)	Power consumption (Wh)
	Room	Side 1	Side 2	End 1	End 2		
Double layer – 3 panels (2 long, 1 short)	4.99	14.211	12.971	5.271	12.571	0	0.0
	10.129	38.696	38.215	8.148	34.266	9	156.6
	15.004	47.665	47.951	11.607	43.354	20.67	359.7
	20.11	52.757	52.953	16.352	47.918	49.33	858.3
	25.229	57.311	57.546	22.04	53.447	103.17	1795.2
Single layer – 3 panels (2 long, 1 short)	4.952	12.075	12.085	5.099	11.884	0	0.0
	10.005	26.922	26.932	8.127	25.891	14.33	117.5
	15.031	33.422	33.432	12.478	31.615	46.50	381.3
	20.381	39.719	39.729	18.23	39.051	124.83	1023.6
	25.058	44.561	44.571	23.358	44.55	238.50	1955.7
Double layer – 2 panels (1 long, 1 short)	5.067	19.642	4.418	5.315	17.668	0	0.0
	10.155	44.377	6.553	8.162	40.992	15.67	167.9
	15.042	50.627	10.875	12.281	47.562	50.50	541.2
	20.095	55.133	16.278	17.1	52.647	114.83	1230.6
	25.076	59.228	21.892	22.01	57.046	212.00	2271.9

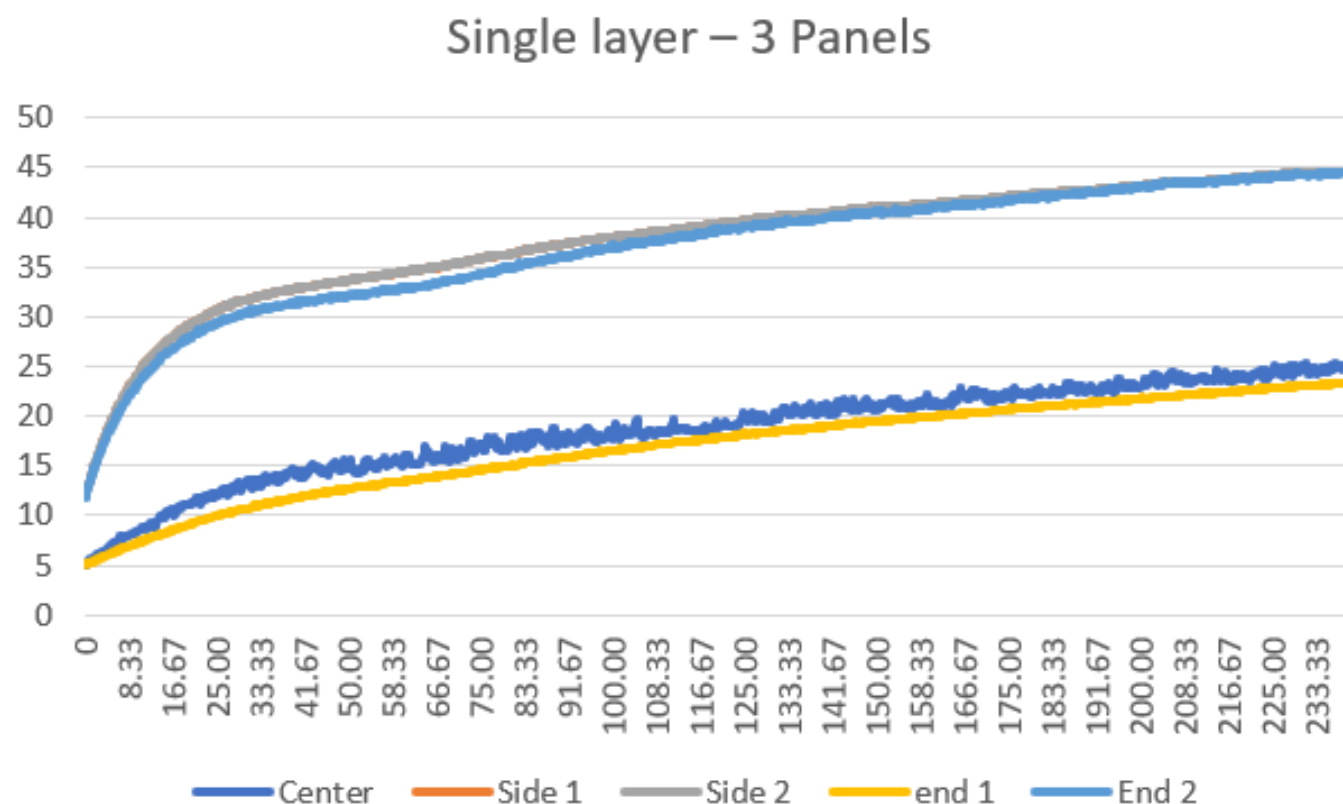
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Chart:

Double layer – 3 panels:

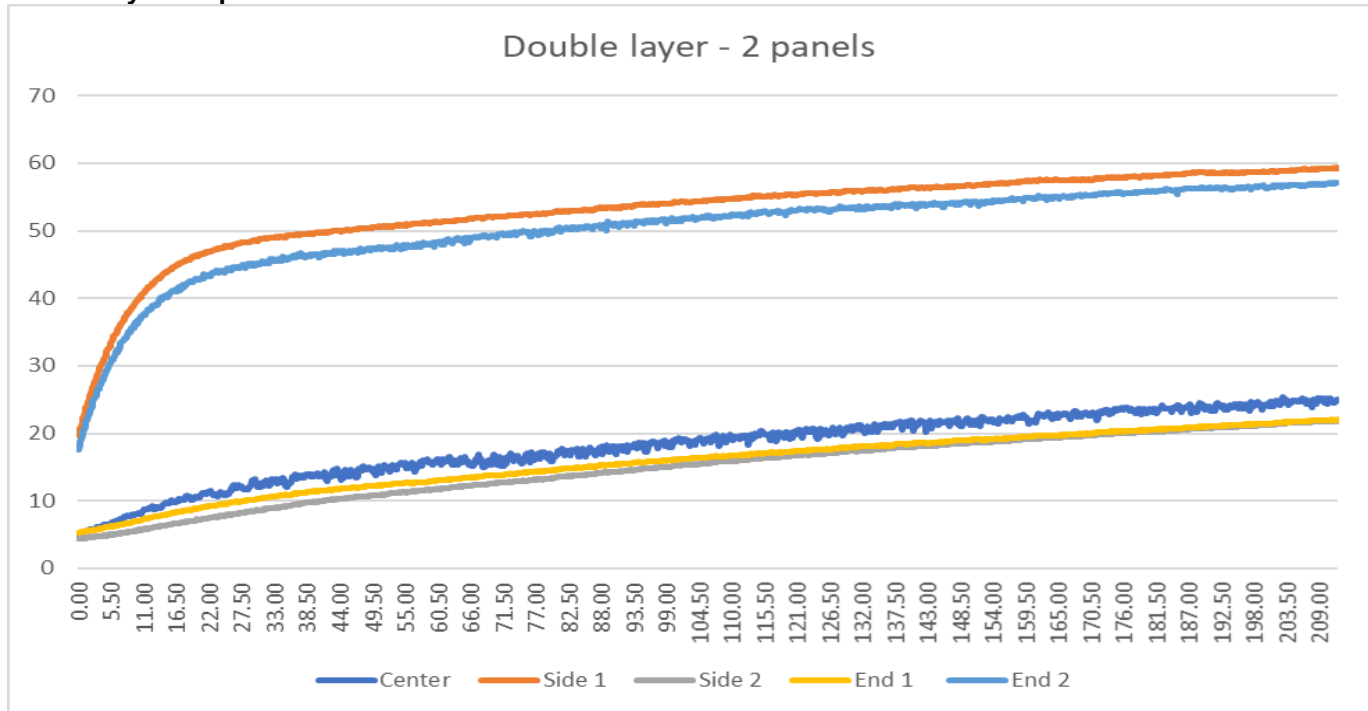


Single layer – 3 panels:









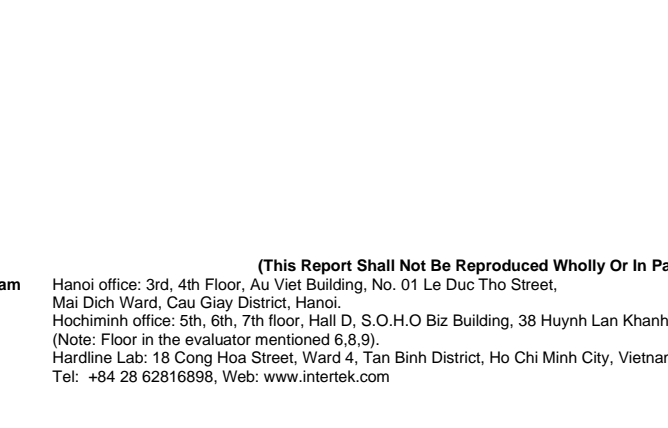
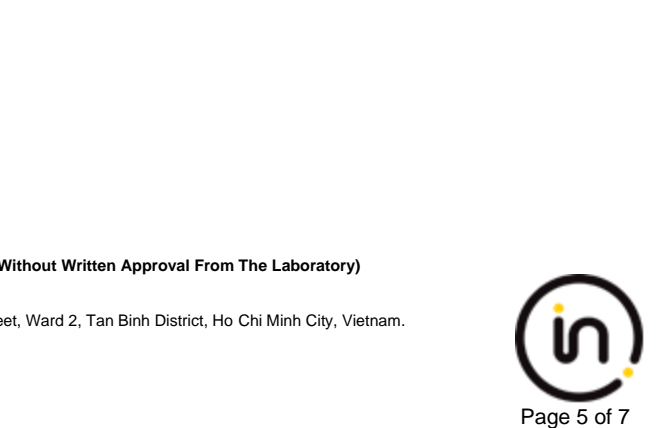
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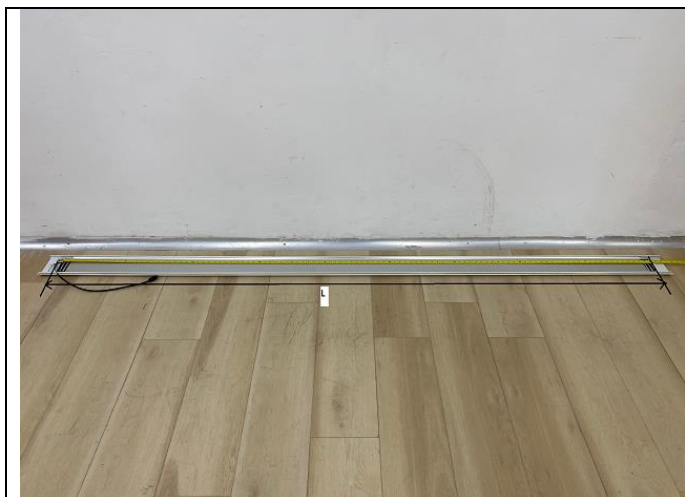
Double layer – 2 panels:



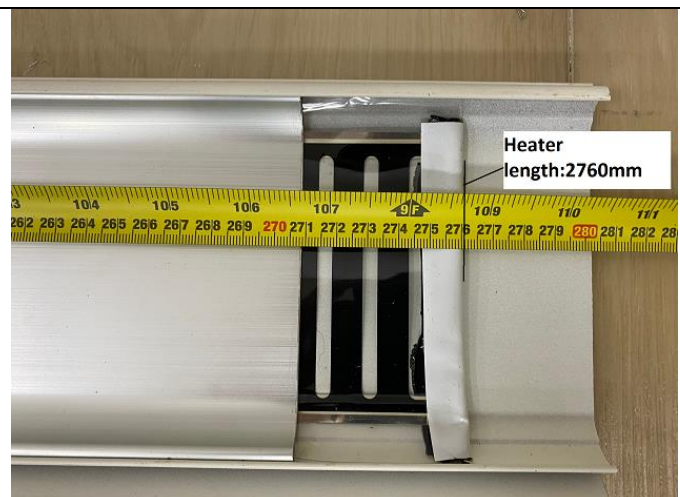
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Product photo	Panel 1
	
Panel 1- Overall dimension	Panel 1- Overall Length
	
Panel 1-Overall Height	Panel 1-Overall Depth
	
Panel 1- Heater dimension	Panel 1- Heater length
	



Panel 2



Panel 2- Overall dimension



Panel 2- Overall Length



Panel 2-Overall Height



Panel 2-Overall Depth



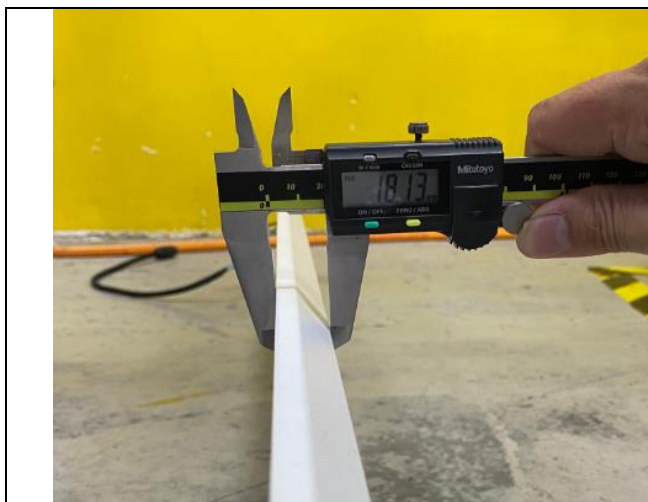
Panel 2-Heater dimension

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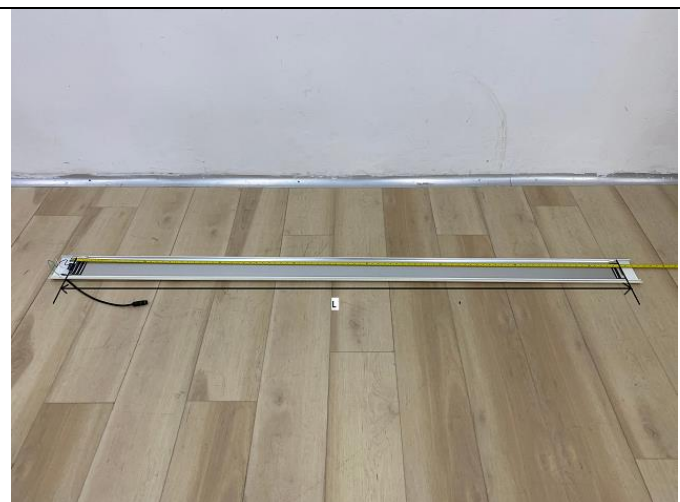
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(Note: Floor in the evaluator mentioned 6,8,9).
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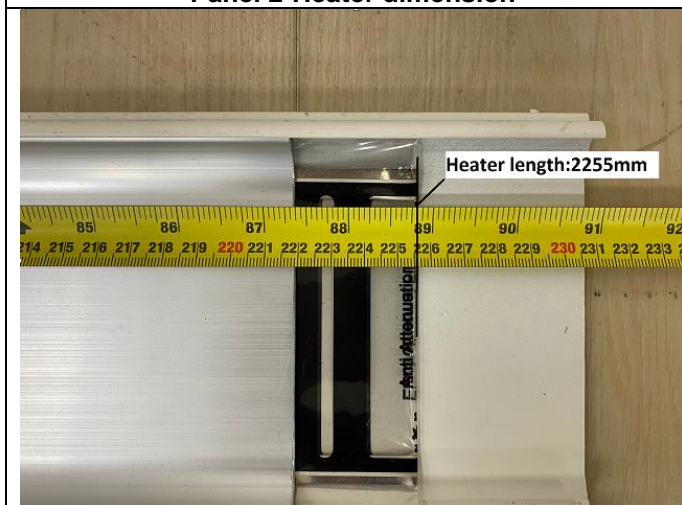




Panel 2-Heater dimension



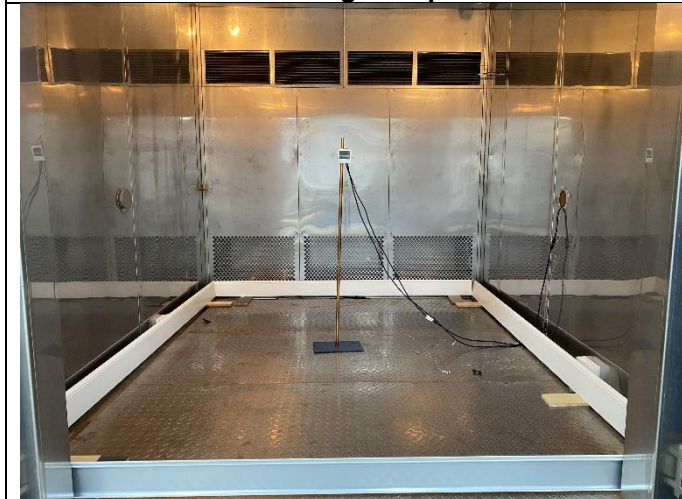
Walk-in Chamber



Testing set-up



Testing set-up



END OF THE TEST REPORT

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