

# Premi-IR Testing and energy assessment services ltd

## SAP Calculation Data Form

Please indicate the version of the Building Regulations the development is to comply with:  
ADL1A (2013) \_\_\_\_\_ or ADL1A (2010) \_\_\_\_\_

Developer Name:	Telephone No:
Contact Name:	E-mail address:
Company Address:	Site address:

Dwelling Build Date : \_\_\_\_\_ Dwelling Front Orientation : N / S / E / W

### EXTERNAL WALLS:

Construction (include party walls)

Wall 1	
Wall 2	
Wall 3	

### ROOFS:

	Construction	Insulation Type	Thickness mm	
Roof 1	Insulation laid flat		Between joists	Over joists
Roof 2	Insulation laid on slope		Between rafters	Under rafters
Roof 3	Flat roof			

### FLOORS:

	Construction	Insulation type & thickness mm	Floor Finish e.g. Screed	Indicate Grnd, 1 <sup>st</sup> , 2 <sup>nd</sup> Floor etc
Floor 1	Solid Slab			
Floor 2	Beam & block (indicate type of block)			
Floor 3	Suspended timber			

### DOORS: (External) U Value if known:

Type e.g. Solid/half glazed/fully glazed	Air Gap e.g. 6/12/16/20mm	Glass Type e.g. Standard/Low E/Argon	Material e.g. Wood/uPVC/metal

### WINDOWS: U Value if known:

GlazingType e.g. Single/ double/ triple	Air Gap e.g. 6/12/16/20mm	Glass Type e.g. Standard/Low E/Argon	Frame e.g. Wood/uPVC/metal

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## **AIR TIGHTNESS TESTING:**

Please indicate the maximum and minimum air permeability  $q_{50}$  -  $\text{m}^3 / (\text{m}^2.\text{h})$  that the dwelling(s) could realistically achieve (call us for further advice on this)

## **VENTILATION:**

Natural with intermittent extract fans / Mechanical with/without Heat Recovery / Air Conditioning

## **SPACE & WATER HEATING:** Please circle as appropriate:

**Fuel:** GAS / OIL / LPG / ELECTRICITY

**Heating System:** GAS BOILER / ELECTRIC PANEL or STORAGE HEATERS / HEAT PUMP

**System Emitters:** RADIATORS / UNDERFLOOR in CONCRETE / WOOD / SCREED / COMBINATION OF BOTH

**Flats:** are the Communal areas heated: Y/N

**Boiler Type:** REGULAR / COMBI / CONDENSING – **Heat Pump Type:** GROUND / AIR / WATER

**Heating Manufacturer:** \_\_\_\_\_ **Model:** \_\_\_\_\_

**Hot Water:** FROM MAIN HEATING SYSTEM / INDEPENDENT IMMERSION / INSTANTANEOUS ELECTRIC

**Hot Water Storage:** \_\_\_\_\_ Litres **Insulation thickness:** \_\_\_\_\_ mm **Cylinder in Heated Space:** Y/N

**Thermal Store:** NONE / INTEGRATED / HOT WATER ONLY

**Controls:** TIME AND TEMPERATURE ZONE CONTROL / PROGRAMMER, ROOMSTAT and TRV'S

**Adjustments:** DELAYED START THERMOSTAT/ LOAD OR WEATHER COMPENSATOR / BOTH

**No. of chimneys:** \_\_\_\_\_ **No. of open flues (not boiler):** \_\_\_\_\_ **No. of fans and passive vents:** \_\_\_\_\_

**Secondary Heating:** Type: \_\_\_\_\_ Fuel: \_\_\_\_\_ HETAS Approved Y/N

**Total No. of Fixed Lighting Fittings:** \_\_\_\_\_ **Total No. of Fixed Low Energy Fittings:** \_\_\_\_\_

**Solar Water Heating:** Collector Type – Evacuated Tube / Flat Plate Glazed / Flat Plate Unglazed

Solar Panels: Area  $\text{m}^2$  \_\_\_\_\_ Pitch:  $0^\circ$  /  $30^\circ$  /  $45^\circ$  Dir: N / S / E / W Solar Cylinder Volume \_\_\_\_\_ Litres

**Photovoltaic Technology:** Pitch:  $0^\circ$  /  $30^\circ$  /  $45^\circ$  Dir: N / S / E / W Peak Power \_\_\_\_\_ kWp