

# SAP Calculation Checklist

To enable us to complete your energy assessment we will require:

- 1) A completed Checklist
- 2) Building Regulation plans with dimensions and construction notes (scale 1:100, 1:50)
  - Floor Plans
  - Sections
  - Elevations
- 3) Window schedule (if available)
- 4) Site layout and location plan showing orientation
- 5) As Built DER Checklists / SAP Calculations (optional)
- 6) Registered postal address(es) of the property('s)

**PROJECT DETAILS:**  
Site address: \_\_\_\_\_  
\_\_\_\_\_ postcode: \_\_\_\_\_  
Client name and address: \_\_\_\_\_  
\_\_\_\_\_ postcode: \_\_\_\_\_  
Agent's name and address (if applicable): \_\_\_\_\_  
\_\_\_\_\_

**CONTACT DETAILS:**  
Who should we contact with any questions?  
Company Name: \_\_\_\_\_ Contact Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

Please provide the following information if not included on the Building Regulation plans;

1. Is the property built to according to accredited construction details? Yes  No

---

2. Floor construction:

- Floor covering (e.g. screed)
- Insulation type
- Insulation thickness
- Floor type (e.g. Block & Beam)

---

3. Other floor type:

- Floor covering (e.g. screed)
- Insulation type
- Insulation thickness
- Floor type (e.g. Block & Beam)

---

4. Main wall structure:

- Outer Skin (e.g. brick)
- Cavity
- Insulation type
- Insulation thickness
- Inner skin (e.g. Celcon solar block)
- Plasterboard on dabs

---

5. Other wall type:

- Outer Skin (e.g. brick)
- Cavity
- Insulation type
- Insulation thickness
- Inner skin (e.g. Celcon solar block)
- Plasterboard on dabs

---

**6. Roof construction:**

- Warm Roof / Cold Roof
- Cavity
- Insulation type
- Insulation thickness

**7. Other Roof type:**

- Warm Roof / Cold Roof
- Cavity
- Insulation type
- Insulation thickness

**8. Glazing:** please tick all the boxes that apply:

Air gap:	6mm	<input type="checkbox"/>	Double	<input type="checkbox"/>	PVCu	<input type="checkbox"/>
	12mm	<input type="checkbox"/>	Triple	<input type="checkbox"/>	Timber	<input type="checkbox"/>
	16mm	<input type="checkbox"/>	Argon filled	<input type="checkbox"/>	Metal	<input type="checkbox"/>
	16mm +	<input type="checkbox"/>	Low E 'soft coat'	<input type="checkbox"/>	Low E 'hard coat'	<input type="checkbox"/>

**9. External doors:**

front:	solid	<input type="checkbox"/>	half glazed	<input type="checkbox"/>	fully glazed	<input type="checkbox"/>
side:	solid	<input type="checkbox"/>	half glazed	<input type="checkbox"/>	fully glazed	<input type="checkbox"/>
rear:	solid	<input type="checkbox"/>	half glazed	<input type="checkbox"/>	fully glazed	<input type="checkbox"/>

**10. Ventilation:**

Number of low energy extraction fans: \_\_\_\_\_

Number of standard extraction fans: \_\_\_\_\_

Mechanical ventilation system: Yes / No

Heat recovery system: Yes / No

**11. Main heating system:**

Fuel: \_\_\_\_\_ Model: \_\_\_\_\_ Manufacturer: \_\_\_\_\_

Combi boiler: yes  no  % efficiency:  Floor mounted:  Wall mounted:

Radiators:  Underfloor Heating:

Ground / Air Source heat pump? Yes  no  If yes, please see section 18.

---

**12. Heating control details:** please tick all the boxes that are applicable:

Programmer:   
Room stat:   
Thermostatic Radiator valves:

Zone control:   
Load compensator:   
Interlock:

other:

---

**13. Secondary heating:**

Type: \_\_\_\_\_ Fuel: \_\_\_\_\_ Hetas Approved:

---

**14. Electric tariff:**

Standard:  economy 7:  10 hour tariff:  24 hour tariff:  other: \_\_\_\_\_

---

**15. Hot water:**

Is it from the central heating boiler? Yes  No

---

**16. Cylinder:**

Capacity  (litres) Insulation thickness  (mm)

---

### 17. Lighting:

Total number of standard light fittings:  total number of low 'E' lights:  total number of external lights:

---

### 18. Renewable Technology:

Solar Thermal (Hot water) \_\_\_\_\_

Photovoltaics: \_\_\_\_\_

Solar Thermal (Hot water) \_\_\_\_\_

Solar Thermal (Hot water) \_\_\_\_\_

---

### 19. Air Permeability Rate:

Measured Rate \_\_\_\_\_ m<sup>3</sup>/hm<sup>2</sup>

---

Site Address:

I ..... confirm that the above property has been built in accordance with the design specification submitted to A.T Solutions, and accredited construction details for thermal bridging have been used.

I also confirm that the boiler installed at the property is a .....

Signed: .....

Date: .....

Should you require any assistance with this Checklist please contact us at;

[sap@airtestingsolutions.co.uk](mailto:sap@airtestingsolutions.co.uk) or Call us on 01763 268685

When completed send too:



**Fieldgate Nurseries, Unit 32 Station road, Meldreth, Royston, Herts, SG8 6JP**

