

## Solaris Radiators

Table to calculate the number/size of radiators required in each room

Example: Detached house with a ceiling height of 2.5 metres

### Values of Insulation

Good Insulation	Mid Insulation	Bad Insulation
0.4 – 0.6	0.6 – 0.9	0.9 – 1.2
Watt/m <sup>2</sup>	Watt/m <sup>2</sup>	Watt/m <sup>2</sup>
75	92	110

When looking at the radiators required you should consider if in fact you would like various rooms to be of a different temperature. It is also advisable to take into account the type of property.

### Table of Recommended Values Per Room

Living Room	75W/m <sup>2</sup>	92W/m <sup>2</sup>	110W/m <sup>2</sup>
Office	70W/m <sup>2</sup>	86W/m <sup>2</sup>	105W/m <sup>2</sup>
Childs Bedroom	70W/m <sup>2</sup>	86W/m <sup>2</sup>	105W/m <sup>2</sup>
Dining Room	70W/m <sup>2</sup>	86W/m <sup>2</sup>	105W/m <sup>2</sup>
Spare Bedroom	65W/m <sup>2</sup>	80W/m <sup>2</sup>	95W/m <sup>2</sup>
Master Bedroom	65W/m <sup>2</sup>	80W/m <sup>2</sup>	95W/m <sup>2</sup>
Kitchen	60W/m <sup>2</sup>	75W/m <sup>2</sup>	90W/m <sup>2</sup>
Bathroom	85W/m <sup>2</sup>	105W/m <sup>2</sup>	125W/m <sup>2</sup>
Entrance Hall	50W/m <sup>2</sup>	60W/m <sup>2</sup>	75W/m <sup>2</sup>
WC	50W/m <sup>2</sup>	60W/m <sup>2</sup>	75W/m <sup>2</sup>
Cellar	50W/m <sup>2</sup>	60W/m <sup>2</sup>	75W/m <sup>2</sup>

For Terraced houses please reduce these values by 15%

Reduce the values for south facing rooms by 10% or in the case of a particularly cold room increase the value by between 10 & 15%.

In order to provide the correct number of radiators per room etc it is important to know the insulation value of your house.

The above values have been calculated on inside temperature of 20 °C and an external temperature of -17°C