

# Solar Pool Heating with Solex Roofing

Solex roofing is very cost effective at providing pool heating because:



*Jersey - 36m<sup>2</sup> of roof for pool heating*

- Large quantities of heat are required, which can be provided by covering a roof face with Solex Roofing
- Solar heating operates very efficiently when heating to the relatively low temperature of a pool
- Correctly sized systems will provide effective heating throughout at least 3 seasons of the year
- It typically costs just £15 a year in electricity to run the system

Typical swimming pool heating systems have a solar roof area of 60%-85% of the pool surface area. A 20m<sup>2</sup> solar roof pool heating system provides an output of around 10,000kWh/yr. Systems can be dedicated to pool heating, or can be combined to provide hot water and underfloor heating as well.

## How does it work?

1. Solar pump - circulates fluid from a holding tank
2. Solar roof - heats the circulating fluid
3. Heat exchanger - heat is transferred to the pool water
4. Existing pool pump and filter - circulates the pool water
5. Existing boiler heat exchanger - tops up heating as required
6. Optional hot water system

