



Solex solar panels are high quality traditional flat plate solar collector panels. They have Sunselect blue selective copper absorbers, ultrasonically welded 10mm riser pipes, prismatic solar glass, and aluminium profile casing and backing. Straight through 22mm diameter headers provide good flow rates, and enable easy fitting of multiple panels.

### Performance

The average annual output (south facing, 30°-50°) is 520kwh/m<sup>2</sup>/annum when used to provide hot water, and in excess of this when used to provide lower temperature outputs e.g. for space and pool heating. Instantaneous output under full sun is up to 770w/m<sup>2</sup>.

**Panels are supplied by Solex in 2.0m<sup>2</sup>, 2.5m<sup>2</sup> and 2.9m<sup>2</sup> sizes.**

### Certification

The panels are manufactured in Europe and have been tested to EN12975 Parts 1 & 2 for solar collectors.

### Installation

The panels may be installed over tiles using our galvanised fixing kits designed to hold one or two panels, or by using our stainless steel solar mounting bolts. We also supply stainless steel straps for mounting panels over slates. Flat roof / ground mounting kits are available in a selection of sizes.

The panels have 22mm copper spurs on the long (2m) sides (4 per panel), which may be connected with standard compression couplings. Two or more panels may be fitted together in a row as required. As an option we can supply horizontally orientated panels, with the connections on the short sides. A 22mm compression thermostat pocket which fits to a top outlet is available separately.

Panels may be purchased individually, or as complete kits with all the system components required.

### Specifications

|          | Model           | S 2.0   | S 2.5                  | S 2.9                  |
|----------|-----------------|---|------------------------|------------------------|
| CASE     | Dimensions      | 1005 x 2005 x 105mm                                       | 1255 x 2005 x 105mm    | 1455 x 2005 x 105mm    |
|          | Weight          | 36kg  | 46kg                   | 53kg                   |
|          | Case material   | Extruded aluminium  | Extruded aluminium     | Extruded aluminium     |
|          | Glazing         | 4mm toughened glass                                       | 4mm toughened glass    | 4mm toughened glass    |
|          | Rear            | 0.5mm aluminium   | 0.5mm aluminium        | 0.5mm aluminium        |
|          | Insulation      | 40mm rockwool   | 40mm rockwool          | 40mm rockwool          |
|          | Seals           | EPDM, Silicone  | EPDM, Silicone         | EPDM, Silicone         |
|          | Fixings         | M8 bolts to captive sliding plates in horizontal profiles |                        |                        |
| ABSORBER | Surface area    | 1.82m <sup>2</sup>  | 2.23m <sup>2</sup>     | 2.70m <sup>2</sup>     |
|          | Type            | 0.2mm copper  | 0.2mm copper           | 0.2mm copper           |
|          | Surface         | Blue Sunselect  | Blue Sunselect         | Blue Sunselect         |
|          | Riser tube size | 10dia x 0.5wall copper                                    | 10dia x 0.5wall copper | 10dia x 0.5wall copper |
|          | Number risers   | 9   | 10                     | 12                     |
|          | Header size     | 22mm copper   | 22mm copper            | 22mm copper            |
|          | Fluid volume    | 1.78 litres   | 2.12 litres            | 2.46 litres            |
| TESTING  |                 | EN12975 Parts 1&2   | EN12975 Parts 1&2      | EN12975 Parts 1&2      |