

Technical Data

Nu-Heat UK - Solar collector panels

Composition and manufacture

Nu-Heat flat plate collectors from Roth utilise the latest collector technology including prismatic glass and titanium oxide absorber coating, both of which maximise performance.

The metal sheet absorber sits between the glazing and insulation and collects the radiation that passes through the glass. This heat is transferred to the water/glycol mix that flows through the copper pipes in the panel. The fluid is then pumped along circulating pipes before passing through a heat exchanger in the hot water cylinder or thermal store, where the heat is made available.

Performance

The integrated solar pumping station supplied with every Nu-Heat solar system has simple-to-operate controls. It accurately measures the temperature of the roof panels ensuring that free energy is harvested whenever the hot water cylinder can accept it. Full thermostatic control of all elements of the system is important to prevent heat from the cylinder's store being pumped back through the panels and lost to the atmosphere. It also acts as a safety feature to prevent cylinder overheat.

Solar thermal panels from Nu-Heat can be integrated with the company's heat pumps and underfloor heating products to optimise the efficiency of the entire system and reduce CO₂ emissions.

Collectors have a 10-year warranty, are easy to install, need little maintenance and can provide up to 60% of annual domestic hot water requirements.

For further information on this company, go to:
www.barbourproductsearch.info