

JOB NAME: Rostrevor College

NO. 105

LOCATION: Adelaide, SA

Rostrevor College was looking for a new solar heating system for their 625 square metre pool. They had an existing solar heating system that was no longer working.

Heliocol South Australia was contacted by the College, following a recommendation by a major pool builder in Adelaide.

Heliocol Sales Representative and Installer Craig Birchmore inspected the facility and determined that a replacement solar system was needed, together with replacement of associated plumbing, pump and controller.

After calculation of the pool's area, volume and required roof space, Craig and Heliocol SA Manager Wayne Greenhill submitted a proposal to the College Board. Following a final inspection and further discussions with the College Principal, their proposal was accepted.

The job was to be undertaken during the summer break of January 2009. After first removing the old system, the new Heliocol equipment was lifted to the roof of the adjacent sports complex by crane owing to the height of the building.

The Heliocol panels were installed in a series/parallel configuration to achieve optimum water flow. New 80mm class 12 cPVC pipe was run back to the plant room and a new Hurlcon pump was installed, drawing its water from a trio of filtration return lines. A Dontek differential controller, was installed and wired to turn the new solar heating pump off if water flow from the filter pumps is ever interrupted.

Results from the new system are very encouraging, with students enjoying a much warmer pool.



TECHNICAL DETAILS

Pool Size 625 sqm Outdoor Pool

Size of Heliocol System

90 x HC50 Collectors = 418 sqm

Other Equipment Astral Maxim 4hp, 3 Phase

Pump, Dontek Solar Controller

