

Toora Community Swimming Pool

Barrel Arch Structure



The Toora Pool is a very popular community facility in the South Gippsland area however, due to its location it is subject to cool winds and potential rain periods.

In order to reduce heating costs of the outdoor pool and extend the period of use it was proposed to install a tensioned membrane structure over the area plus clear PVC blinds on two sides.

The barrel arch structure was designed to fit just outside the existing pool apron with the 3 metre high supporting columns positioned at 6 metre spacing's along each side. The curved roof profile maintains an open feel from the underside and provides drainage to the guttering system that was incorporated into the side beams.

To provide protection from the strong winds clear PVC blinds were fixed between the columns on the South side and Western end of the structure.

Following the installation of the structure the Pool Manager has reported that the season has been extended by 6 weeks and there has been a considerable saving in heating costs and chemical usage.



Client:
South Gippsland Shire
Council

Location:
Toora, Vic

Date of Completion:
December 2005

Product Type:
Barrel Arch Structure

Fabric Type:
PVC – Mehler FR900 &
1 mm clear PVC

Steel Finish:
Hot dipped galvanized

Scope of Works:
Design
Engineering
Manufacture
Project Management
Install

Area of Coverage:
630m²

Function:
Waterproof structure to cover
an outdoor heated swimming
pool plus clear PVC blinds for
wind protection