



Acrylic panels for pool wall panels, view ports and submerged windows are the way of the future

Until recently, conventional toughened glass plate has been used for pool windows in Australia, as aquarium-grade acrylics were not readily available or understood in this market. The introduction of Reynolds R-Cast to the Australian pool industry by Clearwater Acrylic has now established aquarium-grade acrylic as the product of choice for incorporation into high-end pool designs.

The product, manufactured by Reynolds Polymer Technology, is designed for external use and will not yellow or degrade under exposure to sunlight. Clearwater Acrylic is the exclusive Australian distributor of Reynolds R-Cast for swimming pool applications.

Unlike glass, acrylic panels can be engineered to any thickness and dimensions to suit your requirement. The product provides designers with great freedom as panels can be curved, textured and coloured. Single-piece panels up to 12 metres long, 1500mm high and up to 100mm thick have been designed and installed by Clearwater Acrylic in recent projects.

R-Cast acrylic is guaranteed by Reynolds Polymer Technology to maintain optical clarity and structural performance under load for 10 years. Acrylic panels have very high-impact strength and will not de-laminate, shatter or fracture, making the product the ideal structural solution for submerged window

applications. Aquarium-grade cast-acrylic is optically significantly superior to conventional glass panels.

Clearwater Acrylic uses Reynolds R-Cast exclusively for all its acrylic panel installations. Reynolds Polymer Technology is a pioneer in the application of acrylics in submerged and exposed situations and has been manufacturing structural acrylics for more than 30 years.

Wirrawonga P/L (consulting engineers) has been operating in the swimming pool industry for more than 15 years. Clearwater Acrylic is a business unit of Wirrawonga P/L. Involved in the engineering and design of more than 1500 pools each year, the company has been instrumental in the design of most of the SPASA Victoria award-winning pools over several years. Clearwater Acrylic designed and installed all acrylics in the 2010 Australian Pool of the Year Gold Award.



A well-designed-and-constructed swimming pool is a wonderful addition to any property and can add significant lifestyle, aesthetic and property value. The incorporation of acrylic into the pool design provides a visually stunning and unique enhancement to the pool, particularly when combined with appropriately selected pool interior finishes and lighting systems.

Fact Sheet

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