

SPECIAL COMMENDATIONS



SPECIAL COMMENDATIONS WERE AWARDED TO:
Australian Professional Galvanizing Pty Ltd for 'Redlynch Indoor Sports Stadium – Futsal' and Korvest Galvanisers for 'Manuele Engineers Steel Facade Building'

Futsal Stadium, Cairns Queensland - Australian Professional Galvanizing

The \$6m Redlynch Central Sports Stadium Cairns Queensland was opened in October 2010 and is a 3,000 square metre facility, primarily designed to accommodate the expansion of the fastest growing sport in Australia – indoor soccer, known as "Futsal". The complex has also been configured to hold netball and handball fixtures. It has Australia's largest and most advanced synthetic playing surface, which was designed for the tropics, and can be converted into four open-sided courts; four dressing rooms and a 650m² gym.

The complex was designed to complement the tropical landscape with its simple, pure and clean structure.

The architect placed stringent aesthetic requirements on the visible structure, consisting of heavy section 610 Universal Beam structural steel sections. This meant the galvanizer had to develop special procedures for

progressive or double dipping and were additionally constrained in the handling of the structure due to its size, as the roof spanned 18 metre runs on an exo-skeletal frame.

The roof's overall length is 80 metres. With the exo-skeletal frame constructed, a portable rolling container delivered BlueScope's continuous Aramax sheeting which was rolled directly under the frames on the "dollies". The sheets were then lifted by small gantries from the floor controlled by a rigger on each frame and secured directly to the frame. Total erection time from concrete slab to completion of the frame and the roof installation was two weeks.

Consultation with the builder, architect, owner, fabricator and galvanizer prior to commencement ensured an understanding and commitment on timing, outcomes and delivery. A world-class facility.

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