# NEW ZEALAND'S FIRST TENSION MEMBRANE STADIUM

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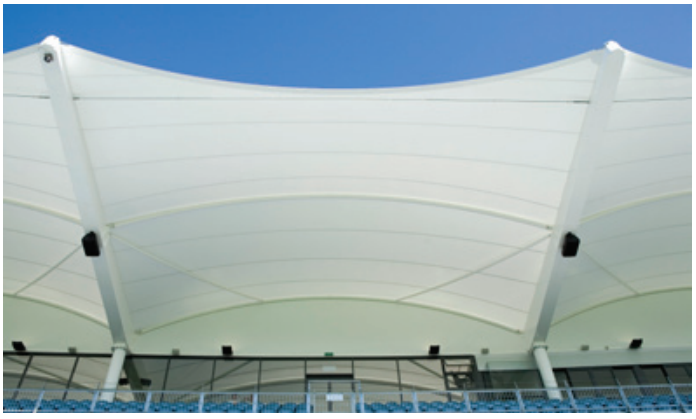
| **TITLE** | Northland Events Centre |
| **DESCRIPTION** | Roof for sports stadium |
| **LOCATION** | Whangarei, New Zealand |
| **COMPLETED IN** | 2010 |
| **FABRIC AREA** | 2,300m² |
| **FABRIC TYPE** | PVC – Ferrari 1002 T2 |
| **ARCHITECT/CLIENT** | Copeland Associates / Argon Construction |

structurflex



## NORTHLAND EVENTS CENTRE
WHANGAREI, NEW ZEALAND

### The challenge – ensure new stadium is 'match fit' in time for kick off

Whangarei required a stadium in time for the 2010 Super 15 season. As well as seating – mostly undercover - for approximately 3000 spectators, the stadium would need corporate boxes and hospitality areas totally sheltered from the elements.

Barry Copeland of Copeland Associates Architects recognised that a tensile membrane roof would benefit the project in many ways. It would hasten the building of the stadium; provide a reflective surface that would reduce lighting requirements for night matches; allow natural light to permeate for day events; and help to reduce the overall construction cost of the project. What's more, a membrane roof would make the stadium more aesthetically pleasing – an asset for city to be proud of.

### The solution – tension membrane roof that saves time and money

Structurflex was engaged to design and install a tension membrane roof to cover the stadium. Both the stadium and the roof were built within the required time frames. The roof's steel supporting structure was designed to be lightweight and completely clear of the spectators' view of the sporting action.

This stadium was the only Rugby World Cup 2011 venue with a fabric tension membrane roof.