



# CAPABILITY STATEMENT

## ABOUT QUATRO DESIGN

### WHERE LANDSCAPE MEETS ARCHITECTURE®

**We stand at the intersection of landscape and architecture, our work is founded in balance – between people and place – enhancing the Australian built environment through quality, design detail and durability that surpasses time and trends.**

Since its establishment in 2004 Quatro Design has grown into the leading Australian manufacturer of Glassfibre Reinforced Concrete (GRC) landscape related products. Our offering consists of standard product ranges as well as bespoke landscape solutions designed and manufactured specifically to meet clients specifications.

Our modern factory is based in Murwillumbah, NSW, where we manufacture bowls, pots, planters, planter boxes and public space seating solutions for Australia wide distribution.

Quatro Design's product collections are inspired by our Australian lifestyle and are uniquely suited to our local environment. Our design philosophy of celebrating iconic shapes and forms have allowed us to create enduring product ranges that will continue to surpass time and trends.

Quatro Design's reputation has been built on our commitment to quality and attention to detail, coupled with our customer support from initial enquiry through to delivery. In addition to our standard product ranges we work with leading Australian architects, landscape architects and designers to resolve and deliver their custom design solutions to meet specific project briefs.

## OUR CAPABILITY

- All our products are Australian-made.
- Our material is NOT deemed combustible according to the CSIRO Combustibility Test in accordance with AS 1530.1-1994.
- Enduring contemporary product design and extensive standard product ranges.
- Outstanding commitment to quality and design.
- Robust and durable GRC products.
- Suited to both indoor and outdoor applications.
- Light-weight and easy to handle compared to traditional pre-cast products.
- All products are made locally to order with short lead-times.
- Australia-wide delivery of all products to meet project deadlines.
- Custom design and manufacturing services.
- Environmentally friendly manufacturing practices.



## GLASSFIBRE REINFORCED CONCRETE

Glassfibre Reinforced Concrete (GRC) is a mixture of cement, sand and other additives as well as alkali resistant glass fibres that are blended together during manufacturing to create strong yet lightweight concrete products.

Glass fibre strands are used to reinforce the concrete, this negates the need for steel reinforcing which allows the wall thickness of the products to be reduced without compromising on strength. This reduction in weight results in an approximately 40% lower environmental impact compared to pre-cast concrete products.

## WHERE MANUFACTURING MEETS ENVIRONMENT

At Quatro Design we take our environmental responsibilities seriously.

We are constantly striving to improve our environmental footprint in our factory and are always on the look-out for ways to further reduce our environmental footprint.

To date we have incorporated the following practices at our factory:

- We have installed a 39-kW solar system on our factory, that's 144 x 250 watt solar panels on our factory roof. This equates to an approximate 60% reduction in power accessed from the grid.
- We have replaced 48 x 400-watt metal halide high bay lights with energy efficient 150-watt LED high bay lights across our two factories.
- All fluorescent lights in our offices, meeting rooms, lunchroom and toilets have been replaced with LED lights.
- Translucent sheeting was installed along our east-facing factory wall and our old factory roof sky lights have been replaced with new polymer sheeting to increase natural lighting inside our main factory.
- We designed and built our own water-recycling system which recycles all factory wash down water. Water borne solids are allowed to settle out of the water stream and the remnant water is treated to reduce the alkalinity back to pH neutral. The pH neutral water is stored in tanks for re-use in the daily factory wash-down. The captured solid waste is used in a local land reclamation project.
- We use native Australian hardwood timber.
- We recycle all cardboard and paper packaging.
- We have also participated in a waste audit by Bin Trim Assessor as part of the New South Wales Environment Protection Agency (EPA) program.

## NON-COMBUSTIBILITY

Do not risk installing inferior products that don't meet Australia's stringent combustibility standards. In recent years, the construction industry has undergone significant reform to eliminate the use of combustible materials in construction projects. The aim is to mitigate the risk of building fires, causing injury or loss of life.

All of Quatro Design's GRC products are certified non-combustible in accordance with CSIRO Combustibility Test AS 1530.1-1994. It is important to note that many imported construction products and materials available in Australia do not comply with these stringent testing and certification standards.

Quatro products are not only well-designed, robust and durable, but our Certificate of non-combustibility provides both the design and construction community with added peace of mind when our products are used to enhance the Australian built environment.



## STANDARDS

Quatro Design confirms that all the materials used in the manufacture of its GRC (Glass-fibre Reinforced Concrete) products conform to the relevant Australian Standards, specifically these Australian Standards apply to:

- AS 3972:2010 General Purpose and Blended Cements
- AS 2758.1:2014 Aggregates and rock for engineering purposes-Concrete aggregates
- AS 1141:1999 Methods for Sampling and Testing Aggregates
- AS 1478.1:2000 Chemical admixtures for concrete, mortar and grout

Mineral oxides in Quatro Design products are manufactured by Concrete Colour Systems (CCS). Its UV resistant mineral oxide pigments comply with ASTM C979-1999 Pigments for Integral Colouration of Concrete and Mortars, British / European Standard BS EN 12878-1999 Pigments for Portland Cements and Portland Cement Products and Australian Standard Colour Pigments for Use with Portland Cement ASK54-1935.

Additionally, where materials are not referenced to an Australian Standard, Quatro Design uses products (e.g. alkali-resistant glass fibres) that conform to A Recommended Practice 'Design, Manufacture and Installation of Glass Reinforced Concrete (GRC)' published by the National Precast Concrete Association of Australia (NPCAA).

## OUR CLIENTS

Some of our long-standing clients include:

### DEVELOPMENT & CONSTRUCTION

- ADCO
- AMP Capital
- Buildcorp
- Built Pty Ltd
- Cavcorp
- Delta Group
- Fresh Landscapes
- Hamilton Marino
- Harris HMC
- Hutchinson Builders
- Lendlease
- Living Landscapes
- Mainbrace
- MPA Projects
- Multiplex
- QIC Ltd
- Regal Innovations
- Richard Crookes
- Schiavello
- Westfield Group

### ARCHITECTURE & DESIGN

- Arcadia
- Aspect Studios
- Architectus
- Buchan Group
- Cox Architecture
- Cusp
- Form Landscape Architecture
- Ground Ink
- Hassel
- Lat Studios
- Oculus
- Oxigen
- Paul Bangay
- Redbox Design Group
- Site Image
- Street + Garden
- Taylor Brammer
- Ubris
- Woods Bagot

We also work closely with Councils and Government Departments to provide Australian Made design and manufacturing solutions for the public domain.

## CONTACT US

Contact us for any sales or custom design and manufacturing queries

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