



TECHNICALLY DESIGNED CONCRETE



## Technically Designed Concrete (TDC)

is an independent perth concrete supplier to the Western Australian premixed concrete market. Founded in October 2010, Paul Halbwirth offers over 25 years extensive experience in the pre-mixed business.

TDC has employed the latest technologies available in the premixed concrete market and offers a flexible and personal approach to your business.

We decided that to give you the service you deserve when you order you product, you will talk directly to the people responsible for your delivery.

Service and technology were a priority when plant design was considered. We carry three different cement types with over 300 tonne capacity and a passive aggregate storage facility that enables us to carry as many aggregate types and sizes you require. This gives greater variety of choice to give you the quality finish you require for the end user.

Our flagship operation is located in Bibra Lake which is a fully automated plant and employs state of the art processes. The main features of this fully automated system is a wet batch system versus the traditional dry motor mix plants used within the Western Australian market. The advantages of this system are greater slump control from batching station and efficient mixing of concrete before it is

discharged into agitators, thus it's not reliant on mixing capabilities of the truck and its operator; enabling high strength concrete to be produced with greater ease and control.

Getting the quality product you want in the workable state you need to produce the end product that meets or exceeds the requirements of the client.

TDC offers a complete range of products to all market segments including:

- Domestic housing
- Commercial
- Civil
- Precast and
- General public.

Our product range covers many requirements including:

- Tremmie mixes for piling contractors
- High strength self-compacting products
- Decorative products for precast and residential markets.

TDC is committed to only operating the best machinery. All our trucks are new and will be maintained to the highest standards. This gives you peace of mind that your order will be delivered when we say it will.



**Why us? We're not the biggest and we're not the oldest!**

**HOWEVER**

We are small enough to care about you.

We are a hands on operation where our owners are on site everyday. We know the details of your order and you know our mobile phone numbers. Our system logs all of your order details and any issues or problems that may arise. We know where your site is and where your office is. We are committed to providing the best customer service in Perth.

We are smart enough to ensure that we employ the latest technology.

We have travelled extensively overseas to obtain the most appropriate and modern technology. We know that concrete has been used since the Romans, but we believe that you don't need to make it like a Roman. The plant we have purchased has been purpose manufactured to our specifications and incorporates the best technology available. It is controlled by computer software designed to the exact requirements of our company.

**We know our industry.**

We have worked in this industry for over 20 years and our principals are known to many people involved in construction. We know what you do,

we know the shortfalls in the concrete products presently available and we know that improvements can be made.

We know how to make your life easier.

We are versatile enough to produce a better alternative to the present concrete options.

We are the only supplier in Perth who can provide wet batched concrete. There are distinct advantages with this product and we hold an extensive library of literature about this.

We can also attend your offices and speak with your design people about the benefits that wet batched concrete offers.

We believe that the workability, finish and guarantee of meeting specifications are optimally achieved with wet batched concrete.





Comprehensive testing performed comparing wet batch systems to dry motor systems shows some of the advantages of wet batch systems when compared to dry

- Total conformity to compression strength standards.
- The mixing effect of twin shaft concrete mixers facilitate complete cement hydration
- Using the same water/cement ratios WET concretes have higher workability and hydration
- Concrete homogeneousness
- Lower permeability
- Total design mix repeatability so you will know exactly what you are getting load after load.

We care enough to ensure that our processes exceed the environmental protection requirements.

We have purposely chosen a Greenfields site and specifically designed our plant to exceed all of the current environmental criteria.

We are the cleanest, greenest concrete batching plant in Western Australia and we will ensure that we

constantly monitor all of our processes to look for better ways of protecting the environment.

We fully anticipate more stringent regulation of our industry and will position ourselves to remain at a standard above that required by regulators.

Already featured in our operations are Recycle water stations, monitors measuring noise and dust, Vegetative barriers for visual amenity and noise suppression. Wet batching reduces dust emissions into the environment.

We value you, the customer enough to guarantee quality.

As long term active participants in the concrete industry, we are aware of the wide variance in quality in concrete products in the Perth market.

Our commitment to quality is underpinned by our own company ethic, the technical capability of our equipment and processes and our trained workforce. We value our staff enough to guarantee safety.

We are aware of the risks associated with our business and have developed a comprehensive occupational health and safety plan.

We are committed to employing the best people and to making sure that our workplace is accident free.

...and we are price competitive.



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33 Miguel Rd Bibra Lake WA 6153

Ph 9200 8800

Fax 9200 2243

[www.tdconcrete.com.au](http://www.tdconcrete.com.au)

**SETTING THE STANDARD...**