



# CAPABILITY STATEMENT



May 2011

# CONTENTS

---

<b>INTRODUCTION .....</b>	<b>3</b>
VISION AND VALUES .....	3
<i>Vision</i> .....	3
<i>Values</i> .....	3
CONTACT .....	3
CREDENTIALS .....	4
OHS AND ENVIRONMENTAL POLICIES .....	4
QUALITY ASSURANCE .....	4
<b>OUR PEOPLE .....</b>	<b>5</b>
KEY PERSONNEL.....	5
<i>Marius Jacobs – Director &amp; founder</i> .....	5
<i>Lionel Jacobs – Director</i> .....	5
<b>OUR SERVICES.....</b>	<b>6</b>
<b>OUR CLIENTS.....</b>	<b>7</b>
<b>PREVIOUS PROJECT EXPERIENCE .....</b>	<b>8</b>
MISSION RIVER BRIDGE – RIO TINTO ALCAN .....	8
GOLD COAST DESALINATION PLANT – JOHN HOLLAND .....	8
WORKSHOP FLOORING – MORETON BAY REGIONAL COUNCIL .....	8
SLIP RESISTANT COATINGS – MORETON BAY REGIONAL COUNCIL.....	8
DECORATIVE FLOOR INSTALLATIONS – VARIOUS.....	9



## Introduction

Epoxy Solutions is the culmination of over 35 years of experience in the manufacturing and application of various epoxy resins. We have learnt how to adapt epoxy blends to specifically suit the purpose to improve quality and increase value.

We pride ourselves on our technical expertise and how it knits well with the practical experience we have gained working on large underground mining projects to the smallest domestic project.

## Vision and Values

### Vision

**“Epoxy specialists developing specialised products and systems to improve the lives of our communities”**

### Values

- ✓ health and safety – take ownership over own health and safety
- ✓ environment – consider the environment with every task
- ✓ integrity – be honest and ethical in our actions. Keep to our commitments and treat others with mutual respect and trust.
- ✓ strive for excellence – try our best in all areas of our business, operational, technical and administrative
- ✓ continual improvement – facilitate great team work and innovation

## Contact

Main Office and factory:      Unit 34, 193 South Pine Road  
Brendale  
4500  
Tel: +61 (07) 3205 4855  
Fax: +61 (07) 3205 4955  
[www.epoxysolutions.com.au](http://www.epoxysolutions.com.au)



## **Credentials**

ABN: 71121299689

## **OHS and Environmental Policies**

We have in place compliant Occupational Health and Safety and Environmental Policies and Procedures that are implemented throughout the company, in the factory and on all of our construction sites. These procedures represent a significant investment by the company for our goal of zero Lost Time Injuries (LTI) across the group. We have not suffered a LTI to date.

## **Quality Assurance**

We operate a Business Management System which is currently being assessed for ISO 9001 accreditation.



## Our People

Management strive to build a work environment that is attractive, safe, and a place to work as a team and continually learn to develop ourselves and those around us.

Some attributes of the Epoxy Solutions team:

- ✓ Close working team with a can-do attitude
- ✓ Keen to learn - our lab staff are encouraged to experiment with new formulations to improve our products
- ✓ Focused on customer satisfaction – our staff are motivated and rewarded on positive feedback from our clients

## Key Personnel

### Marius Jacobs – Director & founder

Marius started his career in a materials lab over 40 years ago, where he learnt the basics of cementitious and epoxy chemistry. This led to Marius opening his own business in South Africa in 1977. Focusing on the mining industry, Marius developed epoxy products that were subjected to extreme conditions.

Following his migration to Australia in 2006, he started Epoxy Solutions. Similar to the business in South Africa, Epoxy Solutions manufactures and supplies epoxy to the mining industry. However, he has now developed many products that are suited to the commercial and domestic market. His solid understanding of chemistry coupled with his application experience enables the company to formulate products that “do what they are meant to do.”

### Lionel Jacobs – Director

Lionel has over 15 years working experience in the mining and civil engineering industry, including a senior management role within and large engineering consultancy. He holds an executive MBA from QUT, a BSC in Environmental Engineering from the University of Pretoria and a Civil Engineering Diploma from the University of Johannesburg. Complementary to his in-depth knowledge of engineering and mining technology and methods, Lionel has experience in working and formulating various epoxy compounds.

As a director, Lionel’s main focus is on business development and customer support but he also ensures that the company achieves its key performance indicators of on-time delivery within budget with zero defects and zero LTI’s.



## Our Services

We specialise in the installation of both industrial and decorative epoxy systems. We are committed to assisting builders, contractors, architects, engineers and owners find better long term solutions to improve the way we live.

Below is a list of some services we offer.

- Industrial Flooring
  - Various floor Coatings (seals and epoxy coatings)
  - Expansion Joint Sealing
  - Slip Resistant Coatings
  - Food areas
- Structural Repair
  - Concrete Repair
  - Underwater Pile Repair
  - Crack Injection systems
- Protective coatings
  - Protect steel or concrete against harsh chemical attack
  - Protective screeds in acid or alkaline storage areas
- Safety flooring
  - Slip-resistant coatings
  - Floor coatings to illustrate safe walkways
- Hard-wearing flooring
  - Installations of hard-wearing epoxy
  - Protection of chutes and high wear areas
- Waterproofing
  - Waterproofing of both above and in ground structures
- Grouting
  - Cementitious and epoxy grouting of machine bases, railway tracks
  - Chemical grouting of tiling
  - Structural steel members



## Our clients

We like to consider our clients as part of our team. Here is a look at our extended family

- Rio Tinto Aluminium
- Moreton Bay Regional Council
- Smith Bridge
- BHP Mitsubishi Alliance
- Brady Engineering
- Pacific Marine
- John Holland
- Lihir Gold Mine
- MAF Queensland



## Previous Project Experience

Epoxy Solutions has partnered with large organisations such as Rio Tinto, John Holland as well as local government to successfully deliver both large and small projects.

Our versatility in providing more than just products has proven invaluable to our partners - our industry-grade mixing and pumping equipment as well as professional consultants are in high demand.

### Mission River Bridge – Rio Tinto Alcan

An integral bridge to Rio Tinto's mining operations in Weipa has suffered structural degradation over time. Working closely with Rio Tinto and a specialist diving business, we have devised and formulated a method and epoxy compound to reinstate the integrity of the piles.

The operation:

Dual purpose heavy duty splints are bolted around the damaged piles to provide a shutter for the epoxy and provide improved mechanical strength. A high-strength fast setting epoxy plug is then pumped to the bottom of the formwork to form a seal between the riverbed and the formwork. A slow curing epoxy is then pumped at intervals along the formwork until the pile is encased. The bridge is opened again for heavy traffic within 1.5 hrs - a huge saving for Rio Tinto as this system limits downtime.

### Gold Coast Desalination Plant – John Holland

Similar to the Mission River Bridge, however in this case the purpose of the epoxy was to fix the offshore diffuser in place. A specialised epoxy blend was pumped using a positive displacement pump 20 m under the sea surface into a varying gap around the piles. The epoxy filled the gap between the diffuser and the piles to securely hold the diffuser in place. This was then finished off with an epoxy cap to smooth off any dangerous edges.

### Workshop Flooring – Moreton Bay Regional Council

All workshop floors take a battering. If it's not the petrochemicals that damage the floor, it's the heavy jacks and tools that are used to repair trucks and tractors. Our project comprised of the cleaning and removal of all damaged and laitance concrete and the reinstatement of the floors integrity to the original profile.

After we shot blast to remove all damaged and oil-impregnated concrete, a hard-wearing-self levelling epoxy compound was then used to fill all the voids. The compound consisted of a 100% solids epoxy resin and hard-wearing aggregate. The entire workshop area was then coated using a coloured slip resistant epoxy coating.

### Slip Resistant Coatings – Moreton Bay Regional Council

Many public walkways in the Moreton Bay Region have been treated with our revolutionary slip-resistant coating. We have improved the slip resistance of concrete, paved and tiled areas.

The application consists of an aggregate filled epoxy coating and hard wearing sealer.





## **Decorative Floor Installations – Various**

As we blend our own compounds, we have the capability to vary textures and colours. This gives our client the capability to design a unique floor. Your options are simply endless.

