

# SHOTCRETING



The easiest, fastest and most economical way to apply concrete

## OUR SERVICES

At Citywest, we specialise in shotcreting services for the Commercial, Residential, Civil and Infrastructure market segments in Western Australia.

We use the latest shotcrete application technology to ensure projects are of the highest quality and standards.

Our expertise include:

- Multi-level basement car parks
- Residential basements & wine cellars
- Structural walls (replacing conventional insitu walls)
- Concrete Repairs (bridge repairs, beam strengthening)
- Freeway embankments
- Drain and Culverts
- Skate parks
- Swimming pools

All spraying requires specific planning and inspection.

Please contact us early in the process to assist you with the design and planning of your project.

## WHY CONSIDER SHOTCRETE

### Reduced Costs & Time:

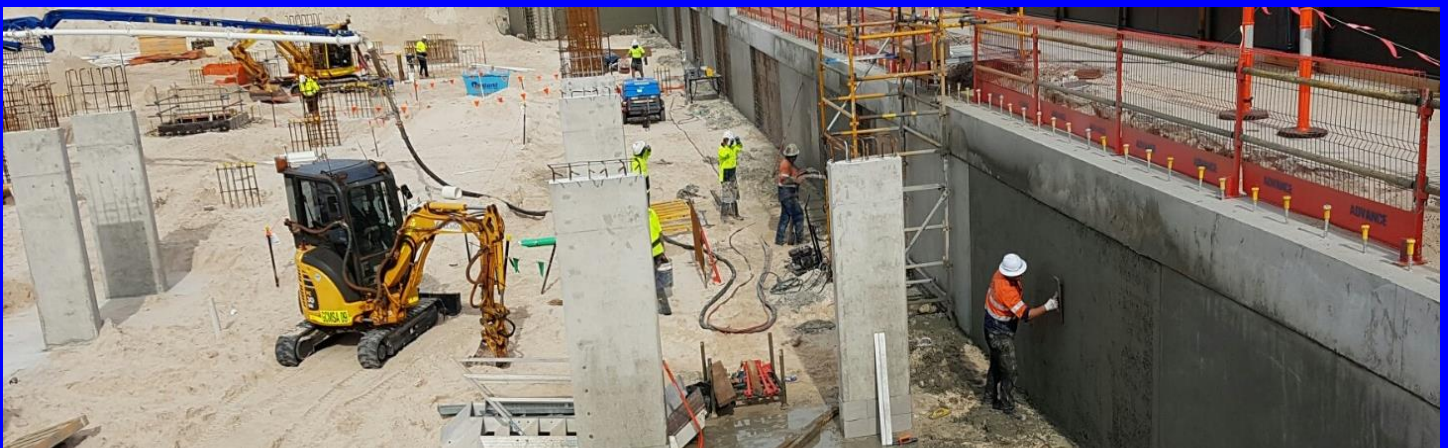
- Shotcrete does not require bulky formwork eliminating many hours and cost associated with formwork preparation.
- Shotcrete offers a high speed application of concrete compared to conventional blocking and pour concrete.
- Shotcrete requires little to no follow up application or maintenance.

### Versatility:

- Unlike traditional methods of concrete application, shotcrete can be applied to any surface shape or size and can be done so both vertically and on overhead areas.
- Producing curved or challenging walls can be done with relative ease.

### Strength:

- Shotcrete is higher in density, lower in permeability and requires less water content than standard poured concrete.
- Shotcrete has a 30% higher compressive strength; is more durable against cracking, abrasion and has a greater bonding/adhesion capacity than conventionally poured concrete.



A smooth Class 2 steel trowel surface finish offers a cost effective alternative design by eliminating the additional step of cladding / rendering wall surfaces.



# SHOTCRETING

Citywest offers the very best in shotcrete equipment supported by a professionally trained shotcrete team

## BASEMENT WALLS

### The TOTAL PACKAGE Solution:

We are your **one stop shop** for shotcreting foundation walls from organizing all of your preparation work through to the final finished surface of your choice.

This can be combined or broken up to include:

- Preparation and pressure cleaning of Piles and surface spray areas.
- Meshing, steel fixing and installation of expansion and construction joints
- Concrete Supply & Testing
- Cutting and Levelling
- Class 2 or 3 Surface finishes

We can come to wherever you're your project is state-wide and our workmanship is guaranteed.

## CURVED CONCRETE STRUCTURES

### A Creative LANDSCAPING Alternative

Sprayed concrete is the perfect medium for the construction of organic shaped features that require a long life span and durability.

Common applications include:

**Low curved retaining walls** – unique and eye catching without the time and cost of formwork needed to produce shaped and challenging walls.

**Playgrounds features** - can be sprayed and shaped using shotcreting and then coated with soft rubber.

**Urban regeneration** - zoo's, theme parks, climbing walls & caving systems can be easily shaped using shotcrete techniques.

**Swimming Pools** - Shotcrete is a useful application for creating embankments and structures such as swimming pools as well as custom rock designs.



Sprayed concrete has no restrictions on shape or size, so free-form shapes such as curved walls and unusual designs are no problem at all.