



# CHELSEA CORP

Civil, Commercial, Infrastructure & Residential



CORROSION REMEDIATION



FLOORING



STRUCTURAL REPAIRS



WATERPROOFING



JOINT SEALANT



SEISMIC UPGRADE



FORM AND PLACE GROUTING



SAFETY BARRIER



Chelsea Corp is a multi-disciplinary construction company. We offer a full range of construction related services including project management, remediation and maintenance of existing asset and infrastructure, commercial refurbishment and maintenance, plus residential new build.

We have established a dedicated Concrete division and our team of Sika trained and approved applicators provide the perfect team to remediate the issues associated with:

- Traction issues on concrete surfaces
- Surface delamination
- Deficient concrete cover

Our Concrete Repairs division specialises in the following areas:

- Multistory carpark structures
- Office buildings
- Bridges and marine infrastructure
- Industrial Facilities i.e., water and wastewater treatment plants etc.

Our Waterproofing division has in-house staff who specialise in the following areas:

- Below ground waterproofing membrane
- Negative hydrostatic membrane
- Car park deck systems
- Garden roof systems
- Joint sealants

## PRE-QUALIFIED

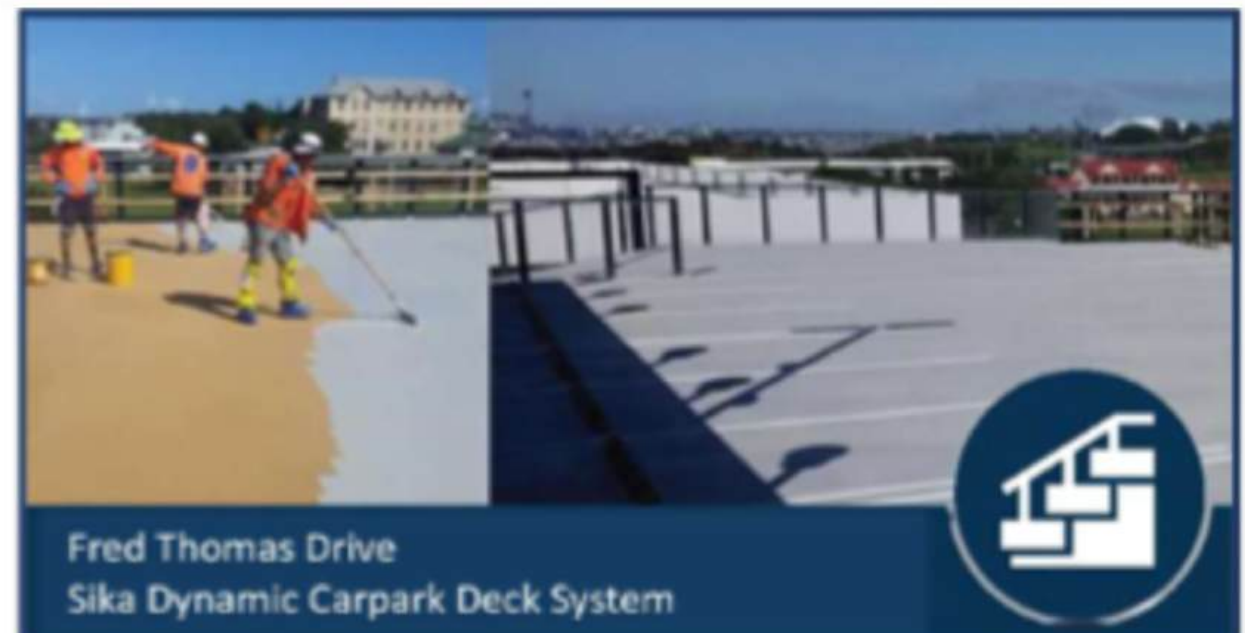
Chelsea Corp is already a prequalified member of Auckland Council and Auckland Transport's contractor panels. This makes it easy for you to subcontract us to provide any specialist contracting skills required on any of your bigger contracts.

## CORE SKILLS



### Corrosion Remediation

Typically, concrete structures deteriorate and fail due to corrosion. Chelsea specialises in corrosion remediation and prevention. We employ a Corrosion Technologist to undertake investigations of existing concrete and steel structures, before determining the most effective form of concrete remediation. This may include cathodic protection, concrete repair, crack injection, desalination, protective coating and/or a wide variety of other options. We extend this skillset to your nominated engineers throughout the project.



### Flooring

We provide an economical means of extending the service life of concrete floors in light, medium and heavy industrial or commercial areas. We mitigate issues with traction by utilising Sika Carpark Deck Systems or similar. Furthermore, we utilise self levelling screeds to increase cover over reinforcement, plus liquid surface treatment hardener and durable high performance repair compounds, to remediate defective concrete.





1. Chelsea installed the world's first 'round' seismic joint of its type, one of the largest joints installed in NZ.
2. Application of 4,500m<sup>2</sup> of Sika Dynamic Carpark Deck system to trafficable areas.

## Seismic Upgrade

Chelsea are approved installers for Emseal and WABO seismic joints. Chelsea Corp have undertaken full seismic upgrades for various governmental and commercial clients, including Auckland's Sky Tower. Chelsea installed the world's first round seismic joint of its kind around the base of the Sky Tower. As part of the same project, Chelsea also completed all of Sky City's concrete remediation and waterproofing works. To-date Chelsea has also provided seismic works to numerous fire departments.



## Waterproofing and Joint Sealant

We can recommend and apply several waterproofing options including, but not limited to liquids and membranes, such as polyurethane injection and crystallised negative waterproofing. We can also apply flexible sealant to concrete panels, floor and slab joints. Being approved applicators of Sika, Mapei, Bostik, Ardex, Equus, Nuralite, Viking Roof Spec, Waterproofing Systems and Emseal, one of our core skills is waterproofing. An example of our waterproofing expertise was the upgrade of Federal Street near Auckland's Sky Tower where we applied 4,500m<sup>2</sup> of Sika's dynamic carpark deck system around the trafficable areas.



The Fanshawe St carpark (Auckland Council and Auckland Transport) was recently repaired and reinforced by Chelsea through the inclusion of reinforcing and application of shotcrete to the shear walls.

## Structural Repairs

This includes structural strengthening using composite materials, epoxy injection, stitching, concrete protection and concrete restoration. It further includes Fibre Reinforced Polymer, FRP - for element strengthening and column impact resistance. Additionally, flexible control joints, injection systems, as well as spalled concrete repair form part of our remit. Structural strengthening options for concrete include Helifix wall ties, structural steel reinforcing and applying shotcrete.



### Form and Place Grouting

Consists of precision grouting of machinery, anchor bolts, nearing plates, structural columns and foundation underlining. We are approved applicators of waterproof Sikadur®.



### Safety Barriers

We can provide carpark, pedestrian and warehouse barrier systems. These offer superior design, rapid installation and driver confidence. An example of our safety barrier installation was the upgrade of Auckland Transport's Fanshawe and Downtown Carpark.







# CHELSEA CORP

Civil, Commercial, Infrastructure & Residential



**CORROSION REMEDIATION**



**FLOORING**



**STRUCTURAL REPAIRS**



**WATERPROOFING**



**JOINT SEALANT**



**SEISMIC UPGRADE**



**FORM AND PLACE GROUTING**



**SAFETY BARRIER**

