



Best Practice for Safe Deliveries to Site

The purpose of this document is to assist and support customers in preparing a safe site for all Allied Concrete employees or the public when accepting the delivery of products or services from any supplier.

Specific information relating to concrete deliveries and safety around our trucks is also included.



Safe Site Delivery

Allied Concrete is committed to providing a safe working environment for all Allied Concrete employees, contractors and contractor's employees, along with ensuring the safety of customers, visitors and the public.

Allied Concrete expects that the owner or principal contractor of the delivery site will provide a safe working environment.

The following are general requirements on site to help ensure a safe working environment

Safe Site Access & Traffic Control

- A safe and legal entry and exit to the site.
- A spotter to assist in conditions involving low light, low clearance, obstacles, tight access and vehicle traffic, especially where these are used by pedestrians.
- If the unloading process will interfere with pedestrian or road traffic, traffic control must be performed by trained personnel, with an approved traffic management plan.
- A safe route to the unloading point (including adequate signage).
- A stable ground surface: un-compacted fill can present a rollover/tip over hazard.
- Rain on a clay surface can create slippery conditions.
- A delivery point clear of any building materials or debris.
- In cases of road side delivery, a safe area that enables

vehicles to pull off the road that does not breach traffic regulations.

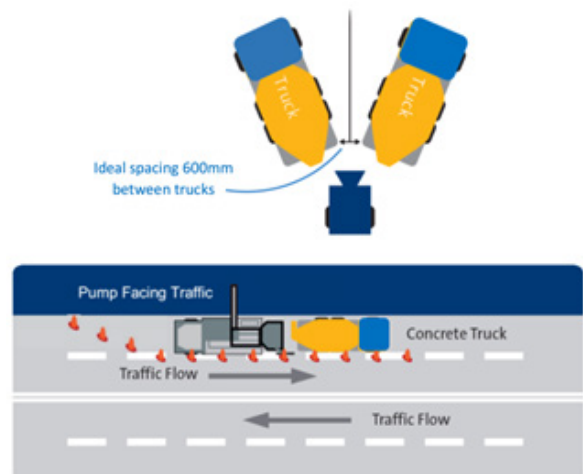
- Adequate clearances for vehicles from powerlines.
- Ensure powerlines or power boxes are identified and marked.
- No overhanging structures, including trees.
- Appropriate environmental controls at road side delivery points (e.g. protection of waterways).
- Appropriate controls to prevent trucks taking mud from sites onto surrounding roads.
- Use of standard hand signals to direct vehicles. (Allied Concrete can supply standard hand signal cards)

Environment

- Safe, level and contained areas for concrete truck wash down.
- Delivery times to prevent noise nuisance to neighbours of the site.
- Appropriate environmental controls at road side delivery points (e.g. prevention of concrete products washing into waterways).

Concrete Pumps

- All safety features fitted and used, including grates in place, earth straps used, safety chains on discharge elbow, etc.
- All safety features are fitted and used on concrete skips.
- A spotter to assist in reversing onto a pump or skip.
- Where two trucks are required, adequate space. (600mm minimum) between the trucks and other stationary objects
- Maintain a full hopper on the pump to avoid blow back due to air locks.
- The pump hopper should be at a height that allows gravity flow of concrete into the hopper.
- It is requested that the pump is set up on site so that concrete trucks do not have to breach traffic regulations to reverse up to the hopper.
- A safe set-up is shown below.



Concrete Pump Safety

- Allied Concrete will not accept concrete “pumped back” in to trucks by any concrete pump or the use of air pressure to clean lines out. This is due to the high risk of injury and explosive force due to air pressure.
- Concrete returned by “pumping back” may only occur following



a full risk mitigation proposal and written authorisation is received from Allied Concrete.

Safe Work Practices and Equipment

- Any unsafe work practices performed by an Allied Concrete representative or unsafe equipment should be reported to an Allied Concrete representative

Product Safety Information

- Information including Safety Data Sheets (SDS) can be obtained from your local Allied Concrete Branch or by contacting your sales representative,
- Customers need to ensure that all personnel who will handle Allied Concrete products are aware of our production information and SDS.

Electricity

- No Equipment should be operated within **4 METRES** from live overhead powerlines / conductors.
- Working inside of this range is only allowed by permit of the local power authority, all equipment should be earthed and a spotter in place.



Additions to Load (colour, etc.)

- If bagged products (e.g. colour, silica fume etc.) are required to be added to a load – only full bags of the dissolvable type can be used.
- No bagged or liquid products are to be added to a load on a customer site unless an adequate stand approved by Allied Concrete personnel is provided for access to the rear of the concrete drum.
- Allied Concrete drivers are not permitted to add water beyond that required to provide designed slump, water in excess of this will void any product warranties.

General

- No additional chutes can be added to Allied Concrete trucks (only those supplied on truck – i.e. no 5th chute).
- Trucks maneuvering on site with extended chutes must be assisted by a spotter.
- Customers, contractors and subcontractors must not climb on the agitator or use the agitator ladder.

Safe Delivery Site Checklist

Site Address			
Site Access	Yes	No	NA
Is site induction required?			
Is a spotter / traffic control required?			
Access has a level compacted surface			
Access point will be left clear and unobstructed.			
Overhead clearance adequate			
Clear defined access / passage for pedestrians or workers			
Safe entry and exit on and off the site			
Check for underground services			
Reversing vehicles are controlled by spotter			
Working Space (out of vehicle)			
Level unobstructed ground provided			
Clear of sharp objects / protrusions			
Adequate lighting provided			
Holes, trenches and pits clearly marked			
General (If applicable)			
Neighbours have been contacted			
Items to resolve			

Safety Precautions When Working with Wet Concrete

WARNING: Do not expose your skin to wet concrete for prolonged periods.

Wet concrete is a strong alkaline chemical solution which is very hazardous to skin tissue. Victims are often unaware even after several hours that they are being burnt. This is because alkaline chemicals damage nerve endings first. Concrete burn injuries are extremely painful & can require surgical treatment.

A common cause is wearing clothing that becomes wet with concrete and stays in contact with the skin for a prolonged period.

The symptoms of concrete burns do not show immediately & can take hours to show. Symptoms include:

- A burning sensation
- Skin discolouration
- Blisters
- Itching or stinging
- Skin cracking

Recommended Precautions

- Wear rubber boots and gloves
- Avoid contact with eyes and prolonged contact with skin
- Keep children away

Treatment

- In case of contact with skin or eyes, flush thoroughly with water.

For More Health & Safety Information:

Open the camera on your phone and hold over the code below. This will then bring our safety information direct to your smartphone.

Scan to view





Building towards a sustainable future

As we move towards a brighter and more sustainable Aotearoa New Zealand, it's important that we consider all aspects of our building practices. Every day, Allied Concrete is taking steps to reduce our carbon footprint and create a better future for generations to come. That's why we're proud to introduce Ecrete™ - an innovative concrete mix designed to reduce carbon impact without compromising on strength and durability. With its cutting-edge formula and environmentally friendly properties, Ecrete™ is paving the way for sustainable building practices in New Zealand.

When you choose Allied Concrete, you're already taking a step towards sustainable building practices by reducing

embodied carbon by up to 20%* compared to the 2020 ISC baseline. But with our revolutionary Ecrete™ range, we're able to take it even further - reducing CO₂ emissions by 20-75%. This innovative solution is designed to not only meet your project's needs but also make a positive impact on the environment. With Ecrete™, you can feel good about the concrete you use, knowing that you're making a difference in building a more sustainable future.

Ecrete™ reduces CO₂ by 10-50%*. Ecrete™ Plus is a bespoke carbon-reduced mix that our technical team can develop based on our client's specific requirements. Ecrete™ Plus can reduce CO₂ beyond 50% and is designed to balance our client's strength, flowability and finishing requirements.

Low Carbon Concrete

Ecrete™ is our innovative concrete mix, engineered to reduce carbon impact without compromising on strength and durability. Every project specifying Ecrete™ now benefits from a third-party verified Environmental Product Declaration (EPD), ensuring accurate CO₂ reduction numbers tailored to your project's specific needs. This marks a significant step forward in our commitment to transparency and environmental responsibility.



Reduction in Embodied Carbon compared to 2020 Infrastructure Sustainability Council (ISC) 2020 baseline for ready mixed concrete.
*CO₂ reduction for Allied mixes will alter dependent on branch location

SuperSlab⁺

ecrete™



The Proven, H1-Compliant Concrete Foundation

When it comes to H1 requirements, Allied Concrete has been leading the way since the changes came into effect. We understand the challenges, expectations, and performance standards that come with H1 compliance and we've been delivering reliable solutions ever since.

Allied Concrete's SuperSlab⁺ is a game-changing solution that delivers edge-insulated concrete foundations designed to make new homes and buildings warmer, drier, and healthier.

Why Choose SuperSlab⁺?

H1 Compliant

SuperSlab⁺ surpasses the latest R-value requirements of the H1 building code, offering unmatched thermal performance and reduced energy consumption.

Certified Solution

SuperSlab⁺ is a CodeMark certified and BRANZ appraised solution. With these certifications, you can be confident in the quality and compliance of your project.

Sustainable & Low Carbon

SuperSlab⁺ takes its environmental commitment to the next level when combined with our eco-conscious technologies like Ecrete™ and QPOD.



Allied Concrete

0800 4 ALLIED
www.alliedconcrete.co.nz



CodeMark >>>
CMNZ30086





Get Expert Support for Your Concrete Design Needs



Submit Your Project. We'll Do the Rest.

At DesignHub™, we support architects and designers with a comprehensive concrete design service tailored to the needs of modern residential and light commercial projects. From early-stage design advice and CodeMark compliance support to Specific Engineered Design (SED) input and materials take-offs, our expert team ensures your specifications are accurate, compliant, and efficient.

We help you make confident decisions on concrete performance, sustainability, and compliance, backed by experience and local knowledge.



Website

Scan the QR code to submit your project via DesignHub and access helpful resources.