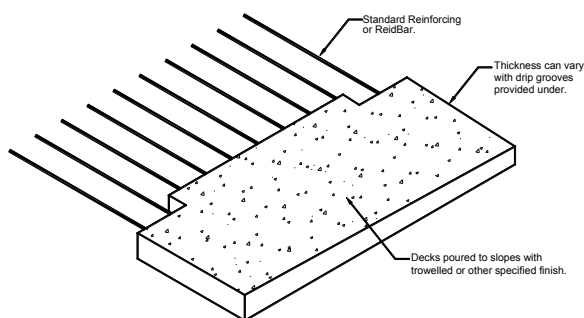


Balcony Slabs



To help with timing on multi-storey projects, Formstress supplies precast balconies to contractors and clients looking for savings in on-site construction time.

These decks can be 100 to 250mm deep with nibs, penetrations for drainage, cut outs, drip grooves and sloping finishes to your architects requirements. They can be finished ready for tiling or waterproofing



Design Considerations:

- Typically precast decks will have bars protruding as cantilever reinforcing. Check to ensure the overall width of each unit is less than 3.0m for trucking. Alternately, the cantilever steel can be cut short (300-400mm) and Reidbar couplers fitted on site. Another option is to bend the bars up for cartage and re-bend the bars down on site. *(This is not commonly preferred as the NZ codes require the steel to be reheated to bend back.)*
- Producing nibs and upstands on precast decks is difficult (and sometimes expensive) but a viable option. A recommended alternative solution is for Formstress to provide reinforcing starters for the nibs and they be cast on site.
- Finishes: Decks are normally cast upright with a light broom finish to the top for tiling. Other surfaces would typically be 'off-mould'.
- When specifying your balconies include notes about:
 - Edge details - filleted or square edged. *(Preferred sizes are 10mm or 15mm fillets using Reid standard profiles otherwise non-standard timber is dressed down for us by our timber merchant.)*
 - Concrete mix. Coloured or special admixes.
 - Reinforcing and covers required.
 - Location and extent of any drip grooves. *(Once again the preferred sizes are 10 or 15mm using Reid standard profiles.)*
 - Cast in brackets for handrails, etc.
 - Finishes to each surface - trowelled, light broomed, retarded, etc.
- Precast balconies typically come to site with Reid lifting eyes cast in the top surface. If eyes are required in specific locations (edge lifting) please notify Formstress. Site personnel should ensure chains and strops are of the correct length and not more than 30 degrees of vertical.

General Notes:

- Contact Formstress about any specialist needs you may have whether it be special concrete mixes or unusual shape.
- Formstress will provide precast shop drawings of the project once a contract is signed. These must be signed off by the client, certifying they are dimensionally and structurally correct before any manufacturing can commence. Formstress would highly recommend that the architect and engineer review these documents as well.
- For temporary storage of precast balconies provide bearers each end on level ground. Stack only units of equal