

# FORMWORK

## PURPOSE AND SCOPE

The intent of this document is to eliminate or minimise the risks of fatalities, injuries and incidents arising from the erection, use of and dismantling of formwork and falsework at Gamuda Australia (GA) projects / workplaces.

This standard applies to any conventional or traditional formwork (e.g., steel frames, timber bearers and plywood) and/or proprietary or engineered formwork systems (e.g., peri-deck, Ulma, table-form), preformed stairs, composite metal / bond deck and/or self-climbing systems (e.g., crane or hydraulic assisted such as slip forms, jump forms or perimeter screens) used for structural support of concrete for suspended slabs, penetration in-fills, columns, and walls.

### CRITICAL CONTROLS

- Formwork is to be designed by a qualified formwork engineer
- Design of slip and jump forms consider access, personnel, material and emergency egress requirements
- A risk assessment is to be carried out prior to the erection/dismantle of formwork
- Formwork installation, erection and dismantle is performed by trained and competent personnel
- Formwork and falsework materials are fit for purpose and in good working condition
- Safe access / egress is maintained to formwork decks, erection and stripping areas
- Fall prevention systems are erected and maintained at all leading edges of formwork
- Loading of formwork systems and decks are managed in line with design requirements
- Engineer inspection is completed prior to placing concrete with any deficiencies corrected
- Exclusion zones shall be established and maintained when stripping formwork, dismantling falsework and beneath the working deck of live concrete pours
- A safe methodology for stripping formwork is in place

**Note:** The above controls are to be read in conjunction with the Regulations, Standards and Codes listed below.

## REGULATIONS, STANDARDS AND CODES

- Work Health & Safety Regulation 2011 (QLD, ACT), 2012 (SA), 2017 (NSW, NT) and 2022 (WA), Ch 6 Construction Work, Ch 5 Plant & Structures
- Occupational Health and Safety Regulations 2017 (Victoria), Part 5.1—Construction
- Workplace Health and Safety Queensland Formwork Code of Practice 2006
- ACT Work Health and Safety (Formwork) Code of Practice
- SafeWork Australia Formwork and Falsework guidance material
- AS/NZS 3610 – Formwork for Concrete
- AS/NZS 3600 – Concrete Structures
- SafeWork (formerly WorkCover) NSW: Formwork Code of Practice (1998)

## FORMS AND CHECKLISTS

- No GA related forms or checklists for GA-CRS-05 Formwork