



Australian Government

CPCCR13015 Perform advanced tilt-up slab erection

Release: 3

CPCCR13015 Perform advanced tilt-up slab erection

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Minor edits to formatting.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCCR13015A Perform advanced tilt-up slab erection. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to conduct advanced tilt-up slab erection, and to coordinate the slinging, stability, lifting, moving, placement and storage of slabs in conjunction with the crane operator. It includes selection of equipment, and load distribution and calculation.

It applies to workers who perform advanced tilt-slab erection, and who would be expected to take responsibility for organising and completing these tasks with a high degree of self direction.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states and territories. For further information, check with the relevant regulatory authority.

Pre-requisite Unit

CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Plan and prepare to perform advanced tilt-up slab erection. | 1.1 Interpret work instructions and associated documentation and clarify requirements with relevant persons. |
| | 1.2 Plan all work to comply with relevant legislation, regulations, standards, codes, work health and safety, environmental and workplace requirements. |
| | 1.3 Select plant, tools and equipment required for work tasks, check for serviceability and rectify or report identified faults. |
| | 1.4 Calculate materials quantities. |
| | 1.5 Acquire materials for task and locate them safely ready for use. |
| 2 Select and check equipment. | 2.1 Erect required safety signage and barricades and fit personal protective equipment (PPE). |
| | 2.2 Select resources, materials and equipment in accordance with load charts and inspect for compliance with work instructions. |
| | 2.3 Inspect lifting equipment in accordance with manufacturer and workplace requirements. |
| | 2.4 Label, reject and dispose of any lifting and load-shifting equipment identified as inconsistent with manufacturer requirements, to prevent its use in any circumstance. |
| | 2.5 Select elevated work platforms and other means of mechanical access systems as specified. |
| | 2.6 Install fall arrest equipment. |
| | 2.7 Select personnel cartage systems. |
| 3 Erect tilt-up slabs. | 3.1 Review lift plan and determine job sequencing schedule and documentation, and communicate this information to relevant persons to ensure coordination. |

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| | 3.2 | Calculate and confirm load mass and load distribution. |
| | 3.3 | Determine erection sequence for tilt-up slab components. |
| | 3.4 | Assemble and erect lifting or pulling devices for movement of loads. |
| | 3.5 | Sling load. |
| | 3.6 | Shift load in accordance with job safety and environmental analysis (JSEA) and safe work method statement (SWMS). |
| | 3.7 | Maintain stability of load during lifting, tilting and transportation. |
| | 3.8 | Direct load to landing position in accordance with engineering specifications. |
| 4 | Position and anchor tilt-up slabs. | |
| | 4.1 | Position tilt slab components in accordance with engineering specifications. |
| | 4.2 | Achieve shape of structure by checking dimensions and applying temporary bracing. |
| | 4.3 | Anchor tilt slab components in accordance with manufacturer requirements and engineering specifications. |
| 5 | Remove rigging equipment. | |
| | 5.1 | Dismantle lifting/shifting equipment and packing, return to resting position and inspect for wear. |
| | 5.2 | Complete logbook and site records in accordance with workplace requirements. |
| 6 | Clean up. | |
| | 6.1 | Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements. |
| | 6.2 | Clean, check, maintain and store tools and equipment in accordance with manufacturer and workplace requirements. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCR13015A Perform advanced tilt-up slab erection.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>