



Australian Government

CPCCSF2007 Splice and anchor using mechanical methods

Release: 2

CPCCSF2007 Splice and anchor using mechanical methods

Modification History

- Release 2 Updated reference to general construction induction training program.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCCSF2007A Splice and anchor using mechanical methods. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to mechanically splice and anchor reinforcement in concrete. It includes planning and preparing for the work, splicing and anchoring, and cleaning up.

It applies to those who work under the direction of more experienced workers to employ mechanical methods to splice and anchor materials in a steelfixing project.

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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

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

Unit Sector

Steelfixing

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 splice and anchor | 1.1 Read work order and associated documentation and clarify work tasks with relevant persons. |
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| using mechanical methods. | 1.2 | Plan all work to comply with relevant legislation, regulations, standards, codes, work health and safety (WHS), environmental and workplace requirements. |
| | 1.3 | Identify hazards and determine risk controls. |
| | 1.4 | Select plant, tools and equipment, check for serviceability and rectify or report faults. |
| | 1.5 | Calculate material requirements to meet task specifications. |
| | 1.6 | Obtain, prepare and safely handle materials for the task, and situate them ready for use. |
| 2 2. Splice and anchor using mechanical methods. | 2.1 | Erect required safety signage and barricades and fit personal protective equipment (PPE). |
| | 2.2 | Thread reinforcement bars as detailed in task specifications. |
| | 2.3 | Configure detail of splicing arrangement in accordance with task specifications. |
| | 2.4 | Fit and secure splicing couplers to reinforcing bar in accordance with manufacturer handling instructions and task specifications. |
| | 2.5 | Secure reinforcement in accordance with prescribed tolerances. |
| | 2.6 | Free coupler connections and reinforcing bars of mill scale and residual debris that may foul connections. |
| | 2.7 | Locate and anchor reinforcement as prescribed in task specifications and relevant standards. |
| 3 Check reinforcement before use. | 3.1 | Check location and position of reinforcement and fixing ties to reinforcement for accuracy. |
| | 3.2 | Check depth of coverage, clearance, spacing and overlap of reinforcement material conforms with task specifications and relevant standards. |

- 4 Clean up.
 - 4.1 Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements.
 - 4.2 Clean, check, maintain and store plant, 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 CPCCSF2007A Splice and anchor using mechanical methods.

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>

Assessment Requirements for CPCCSF2007 Splice and anchor using mechanical methods

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Performance Evidence

To demonstrate competency in this unit, a candidate must meet the elements and performance criteria by splicing and anchoring, using mechanical methods to complete the full mechanical splicing and anchoring cycle on a minimum of three occasions that include:

- foundations
- a slab
- one other structure.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- workplace and regulatory requirements for splicing and anchoring using mechanical methods under applicable Commonwealth, state or territory work health and safety (WHS) legislation and codes of practice:
 - job safety and environmental analyses (JSEAs)
 - safe work method statements (SWMSs)
 - safety manuals and instructions for plant, tools and equipment
 - signage and barricades
 - personal protective equipment (PPE) requirements
 - working at heights requirements
 - environmental and worksite safety plans
 - reporting problems
- types, characteristics and limitations of tools and equipment used for splicing and anchoring using mechanical methods:
 - bolt cutters
 - couplers

- mechanical cutting equipment
- nippers
- tool belts
- measuring tapes
- requirements for using steelfixing tools and equipment:
 - safe operating procedures
 - operational, maintenance and intermediate diagnostic procedures
 - workplace and equipment safety requirements
- requirements for cleaning up work area, maintaining and storing tools, plant, equipment and materials, and for environmentally friendly waste management.

Assessment Conditions

Assessors must meet the requirements for assessors outlined in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to:

- industry-standard equipment required to perform the tasks specified in the Performance Evidence
- appropriate workplace information and records, including policies, procedures and legislative requirements.

Links

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