



Australian Government

RIICRC323E Insert tie bars in fresh concrete

Release: 1

RIICRC323E Insert tie bars in fresh concrete

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to insert tie bars in fresh concrete in civil construction, including setting up operations, inserting and compacting tie bars and loading magazines.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to insert tie bars in fresh concrete	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to insert tie bars in fresh concrete and confirm work activity is compliant 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Select and wear personal protective equipment according to site requirements 1.5 Identify, obtain and implement signage requirements 1.6 Select plant, tools and equipment required to carry out tasks and check for faults

ELEMENT	PERFORMANCE CRITERIA
2. Set up operations	2.1 Verify quantity of bars according to job requirements 2.2 Inspect and confirm bars are fit for purpose according to job requirements 2.3 Inspect and confirm saw cut locations are marked out or programmed into paving computer according to job and site requirements 2.4 Check and confirm automatic program spacing according to job requirements 2.5 Check and confirm tie bar spacing and variations according to job requirements 2.6 Check for safe operations according to site requirements and confirm operation of emergency stops
3. Operate tie bar system	3.1 Maintain safe working area around tie bar inserter according to site requirements 3.2 Maintain required stock of bars at tie bar inserter according to job requirements 3.3 Operate and monitor tie bar insertion for specified location, alignment and depth according to job and site requirements 3.4 Report missed bars and jamming according to site requirements 3.5 Check and confirm location of missed and non-compliant insertion is recorded according to site requirements 3.6 Check and confirm concrete is compacted around tie bar according to job requirements 3.7 Load magazine according to job and site requirements 3.8 Monitor movements and hazards and identify and communicate changes to work environment according to site requirements
4. Conduct clean-up activities	4.1 Clear work area and dispose of, reuse or recycle materials according to site requirements 4.2 Clean, check, maintain and store machinery, tools and equipment according to manufacturer specifications and site requirements 4.3 Return unused stock bars to store according to site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
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SKILL	DESCRIPTION
Numeracy	Calculates basic measurements including masses and dimensions
Self-management	Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICRC323D Insert tie bars in fresh concrete.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>