



Australian Government

RIICRC323D Insert tie bars in fresh concrete

Release: 1

RIICRC323D Insert tie bars in fresh concrete

Modification History

Not applicable.

Application

This unit describes a participant's skills and knowledge required to insert tie bars in fresh concrete in Civil Construction.

This unit is appropriate for those working in operational roles.

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

Unit Sector

Civil construction

Elements and Performance Criteria

| | |
|--|---|
| 1. Plan and prepare to insert tie bars in fresh concrete | <p>1.1 Access, interpret and apply insert tie bars documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.4 Select and wear correct personal protective equipment appropriate for work activities</p> <p>1.5 Identify, obtain and implement signage requirements</p> <p>1.6 Select and check for faults to plant, tools and equipment, to carry out tasks</p> |
| 2. Setup operations | <p>2.1 Verify quantity of bars required for the task</p> <p>2.2 Inspect and confirm bars are fit for purpose</p> <p>2.3 Inspect and confirm saw cut locations are marked out or programmed into paving computer as per site specifications</p> <p>2.4 Check automatic program spacing</p> <p>2.5 Check tie bar spacing and variations conform to plans</p> <p>2.6 Check for safe operations and confirm operation of emergency stops</p> |
| 3. Operate tie bar system | <p>3.1 Maintain safe working area around tie bar inserter</p> <p>3.2 Maintain adequate stock of bars at tie bar inserter</p> <p>3.3 Operate and monitor mechanical or manual tie bar insertion for correct location, alignment and depth (if sidebars)</p> <p>3.4 Report missed bars or jamming immediately</p> <p>3.5 Ensure location of any missed or noncompliant insertion is</p> |

| | |
|-------------|--|
| | <p>recorded</p> <p>3.6 Ensure concrete is fully compacted around the tie bar</p> <p>3.7 Ensure magazine is sufficiently loaded at all times</p> <p>3.8 Operate hiab (if fitted) to load magazine safely and accurately</p> <p>3.9 Load magazine by hand according to correct procedures</p> <p>3.10 Monitor movements and hazards and identify and communicate changes to the work environment during the work process</p> |
| 4. Clean Up | <p>4.1 Clear work area and dispose of, reuse or recycle materials</p> <p>4.2 Clean, check, maintain and store machinery, tools and equipment Return unused stock bars to store</p> |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIICRC323A Insert tie bars in fresh concrete

Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>