



Australian Government

Assessment Requirements for CPCCST4003 Undertake preparations for refractory work

Release: 2

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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 CPCCBC4041A Undertake preparations for refractory work. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by preparing for a minimum of one refractory work construction project and one refractory repair project.

In doing this, the candidate must:

- ensure that all refractory materials comply with refractory standards and codes
- ensure evidence of suitability, as stated in the National Construction Code (NCC), is issued by suppliers or manufacturer.

Knowledge Evidence

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

- government building and construction legislation relating to refractory work
- building and construction regulation, standards and codes
- relevant sections of National Construction Code (NCC):
 - requirements of evidence of suitability
 - fire resistance
 - fire places, chimneys and flues
- characteristics, applications and limitations of refractory materials:
 - castables
 - different types of insulation materials, including insulation boards and bricks
 - fire bricks
 - fire clay
 - stainless steel joints
 - insulation
- processes, techniques and methods of refractory brickwork

- workplace policies and procedures:
 - acquisition of materials
- key features of refractory plans and specifications:
 - signs, symbols and abbreviations
 - dimensions and scales
 - views, sections and details
- allowable tolerances for brickwork stated in standards
- workplace safety:
 - exposure to silica
 - exposure to excessive noise
 - working at height
 - hazardous manual tasks
 - working with hazardous materials
 - working platforms and scaffolding
- functional and operational features of plant, equipment and hand and power tools
- workplace procedures and environmental requirements relating to waste management
- digital devices, applications and software to achieve tasks outcome.

Assessment Conditions

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

Assessment must be undertaken in the workplace or in a simulated workplace environment.

Candidates must be provided with:

- relevant government legislation
- current refractory codes and standards
- relevant construction drawings, site plans and specifications
- organisational policies, procedures and other quality documentation to undertake the performance criteria and evidence requirements
- digital devices, applications and software to create project schedules and documentation.

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>